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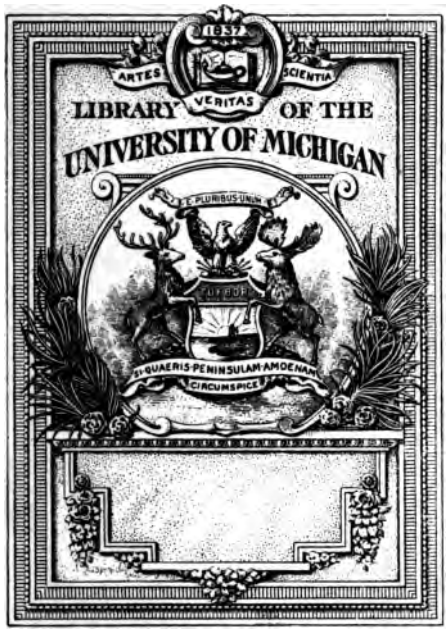
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PLATES

ILLUSTRATIVE

OF

FERGUSON'S LECTURES

ON

MECHANICS, HYDROSTATICS, HYDRAULICS, PNEUMATICS, OPTICS, GEOGRAPHY, ASTRONOMY, AND DIALING.

By DAVID BREWSTER, A.M.

THE SECOND EDITION, ENLARGED.

EDINBURGH:

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1806.

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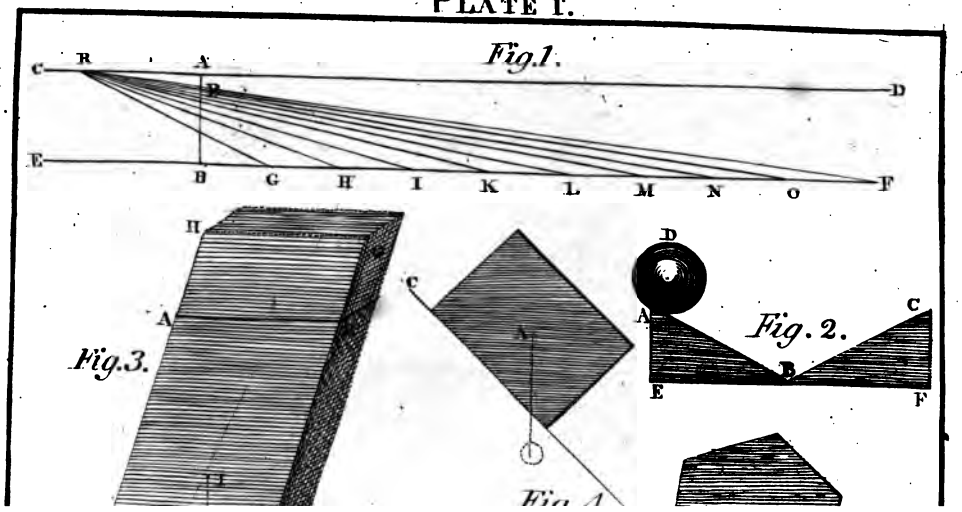

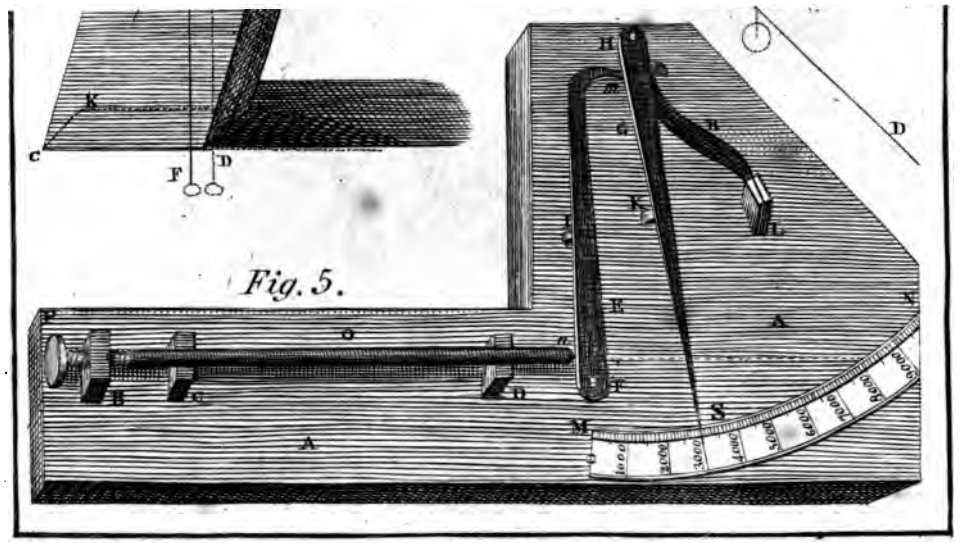

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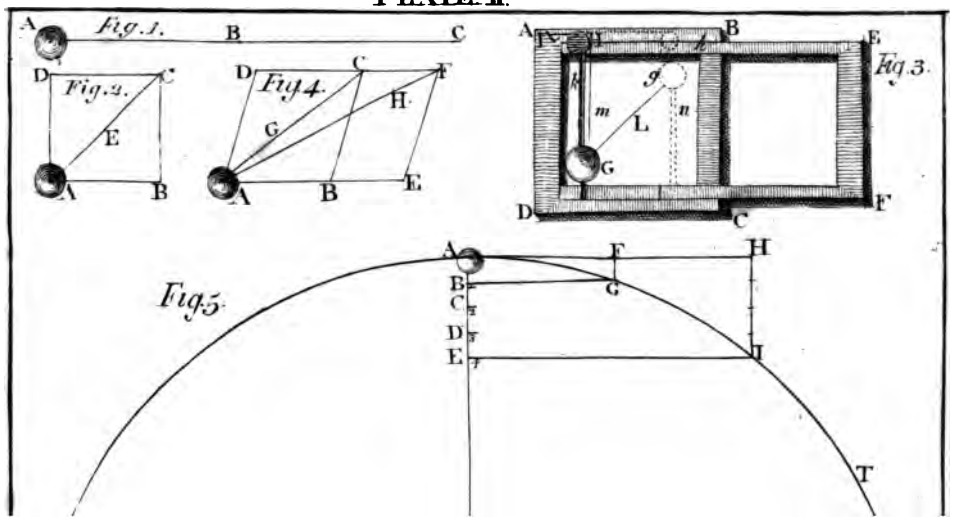
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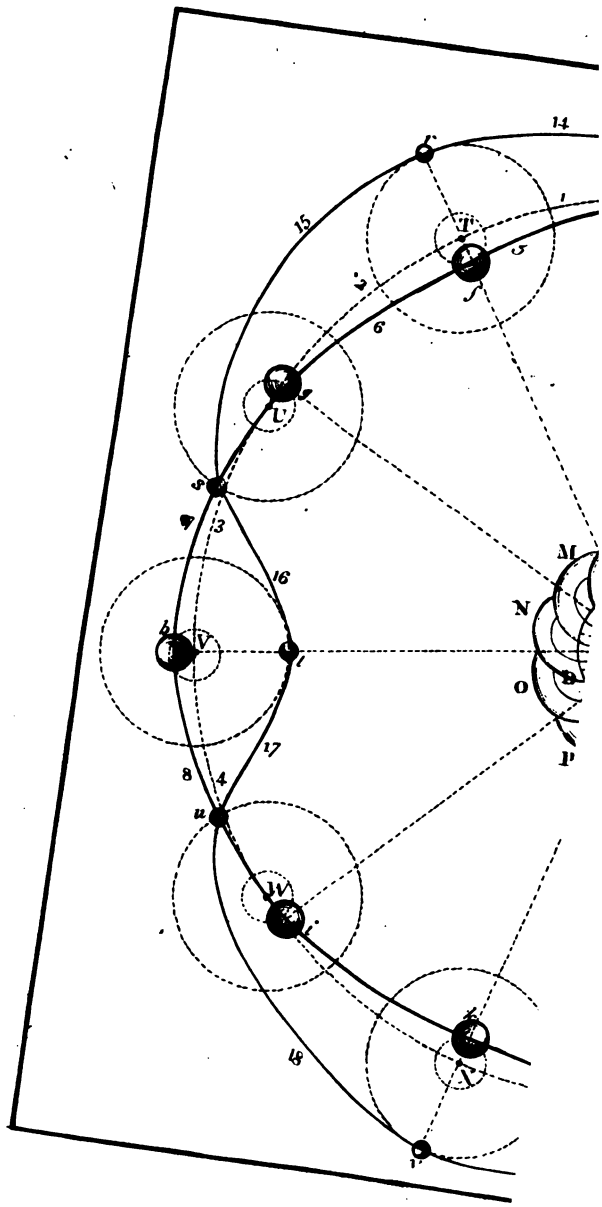
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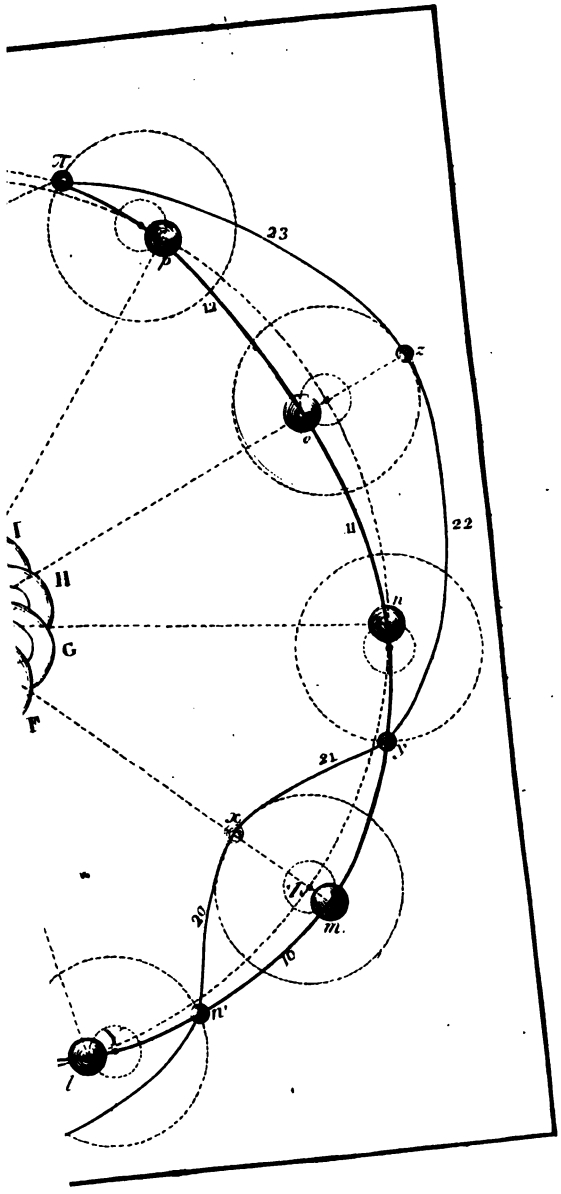
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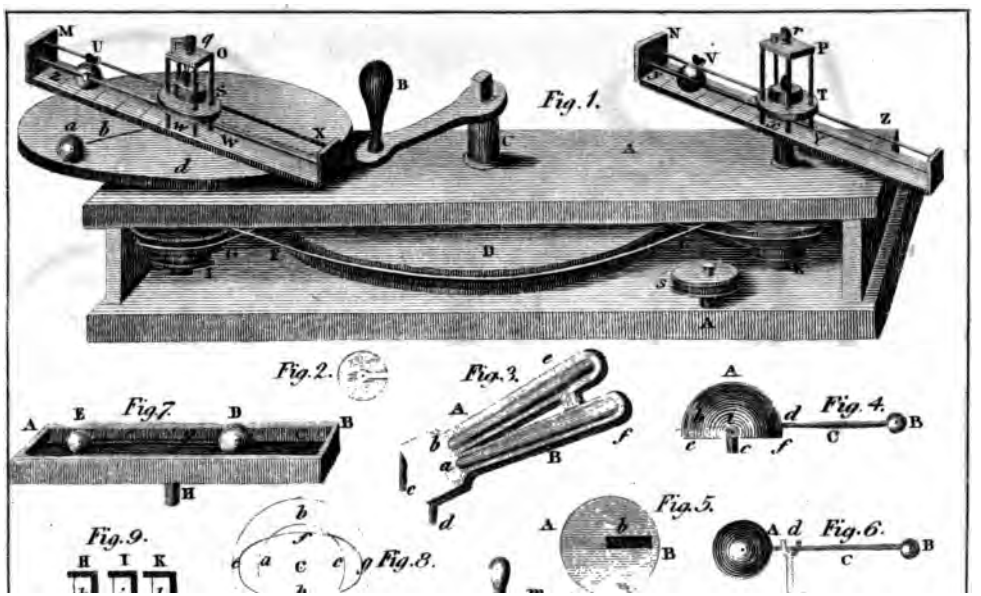

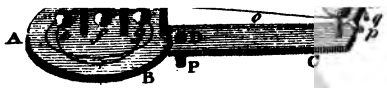

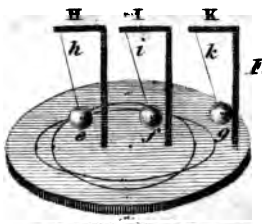

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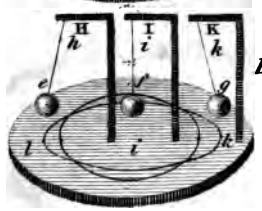

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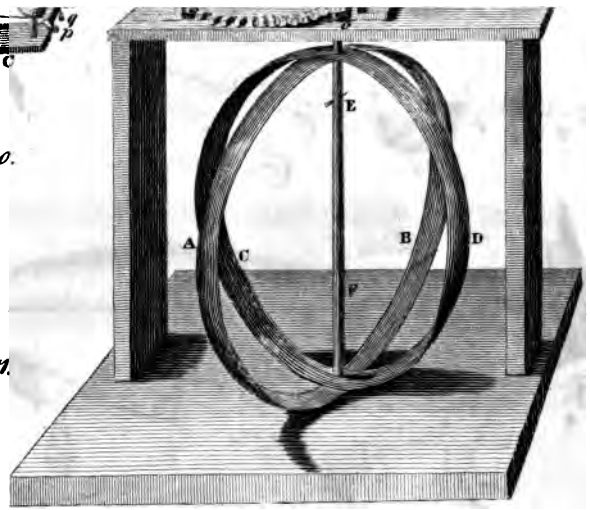

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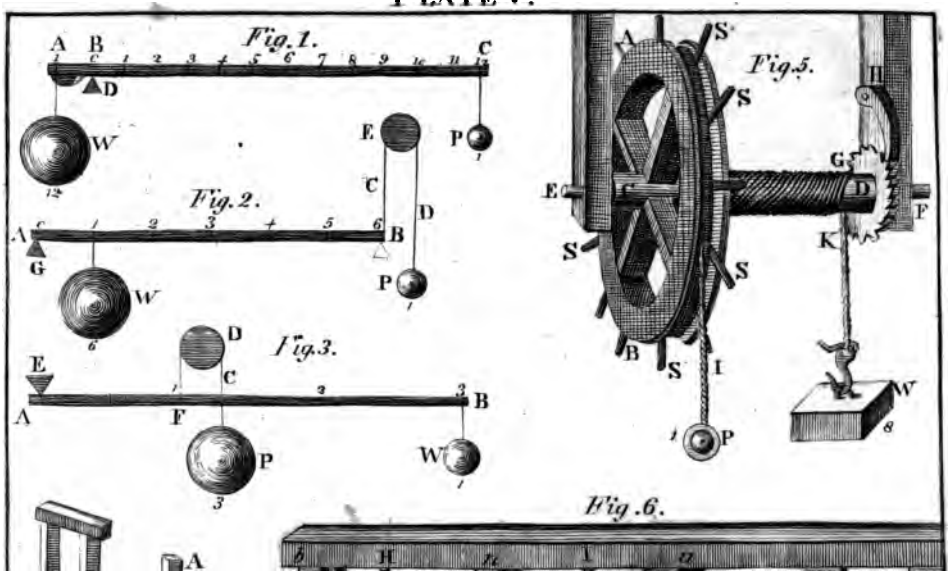
PLATE V.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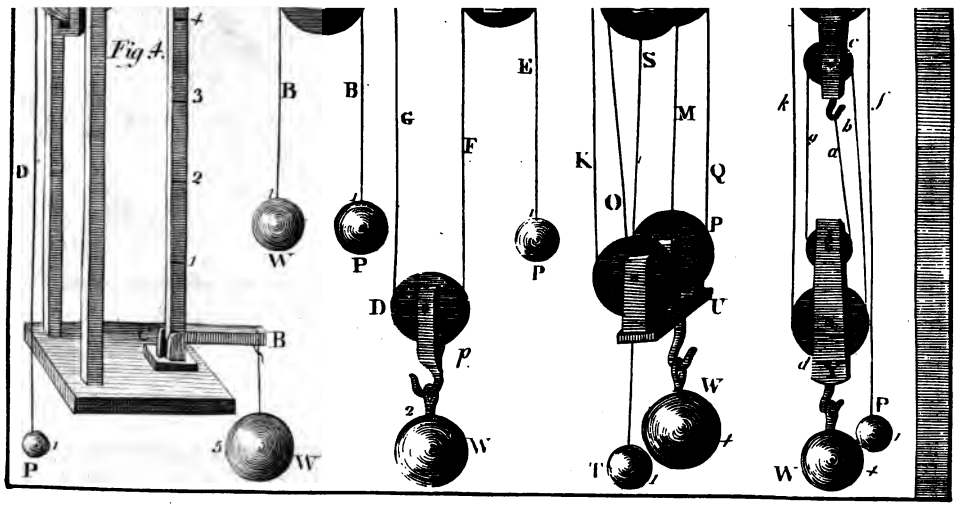
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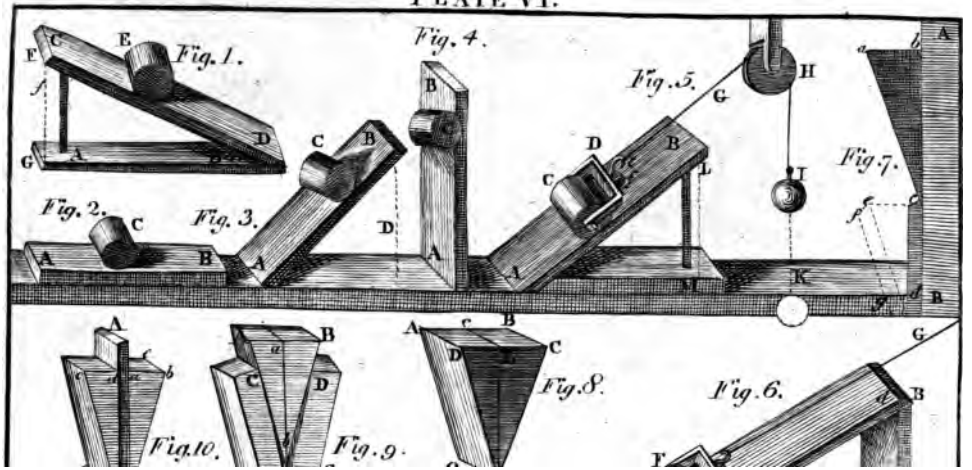

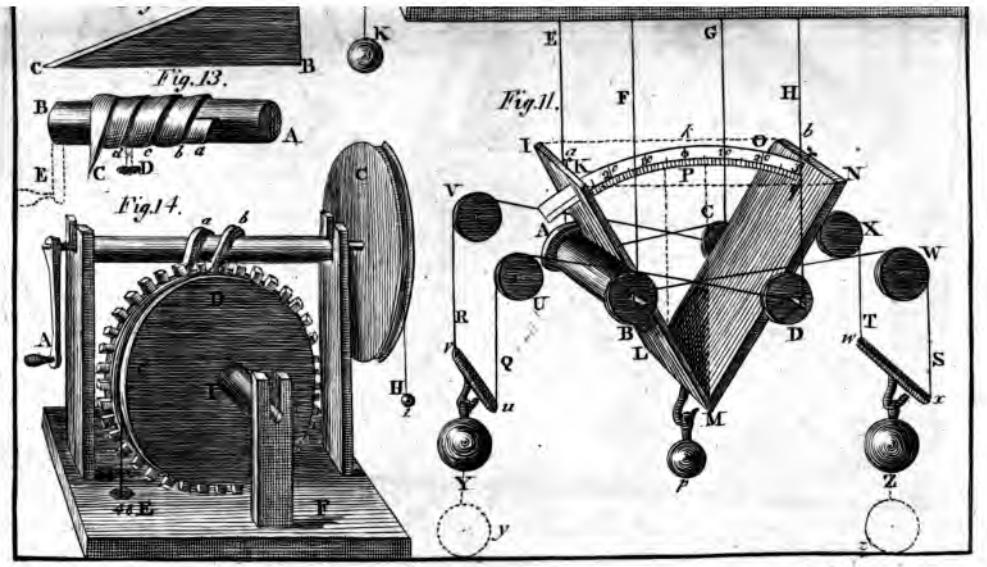
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Fig. 14.
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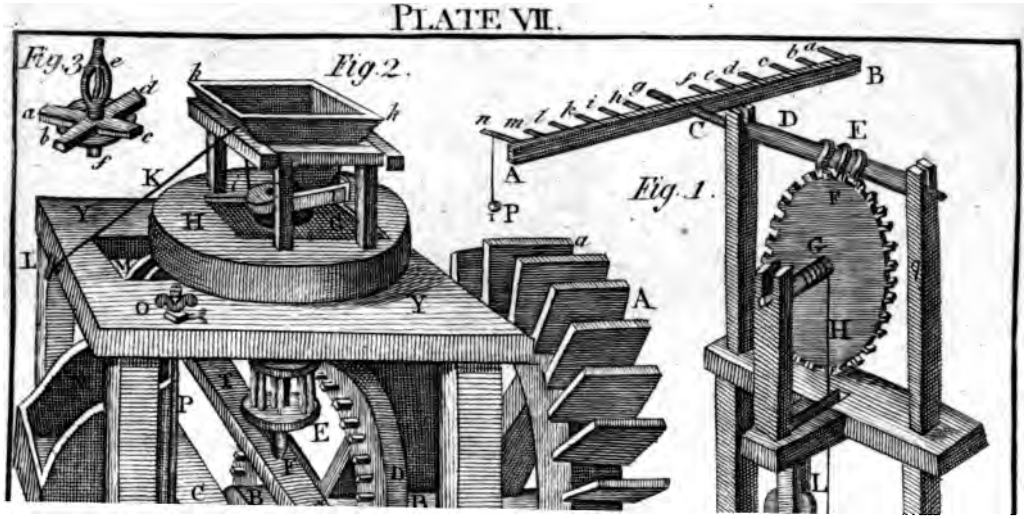

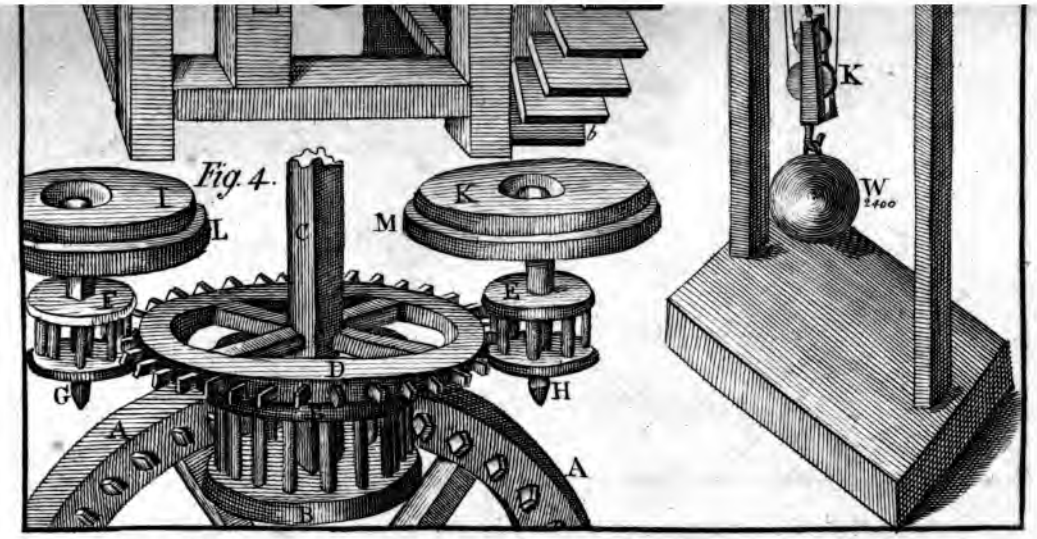
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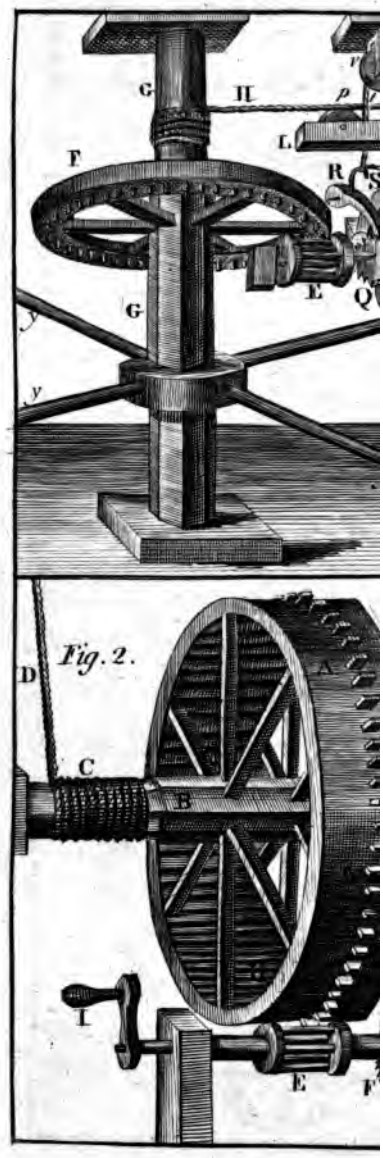
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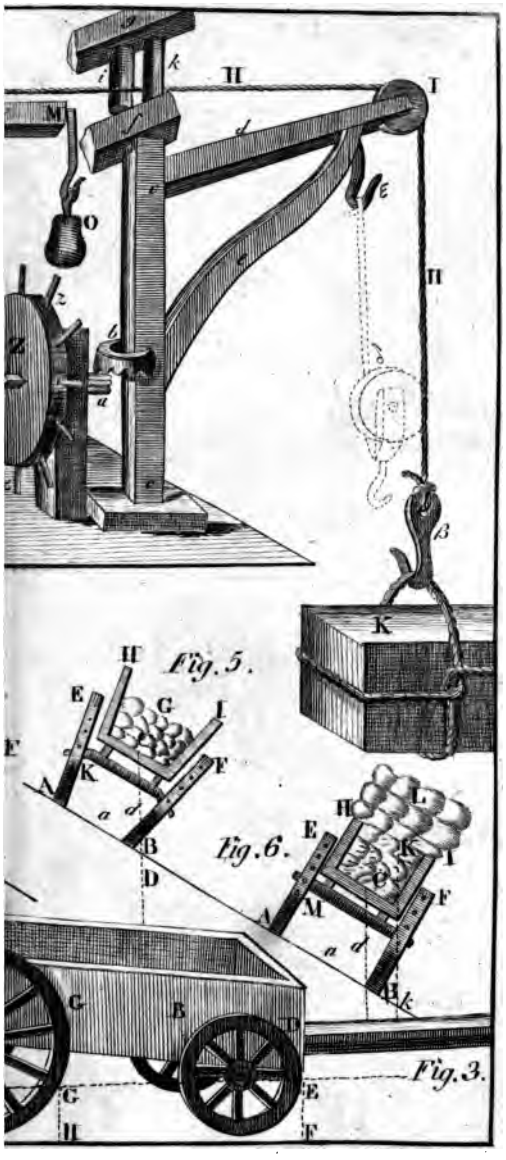
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PLATE IX.

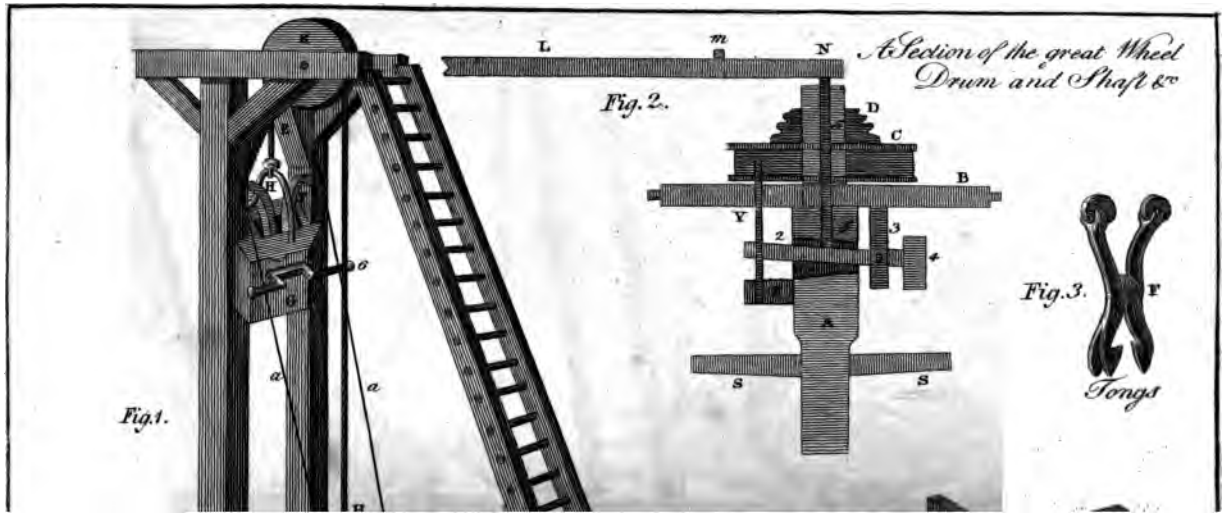
Fig.1.
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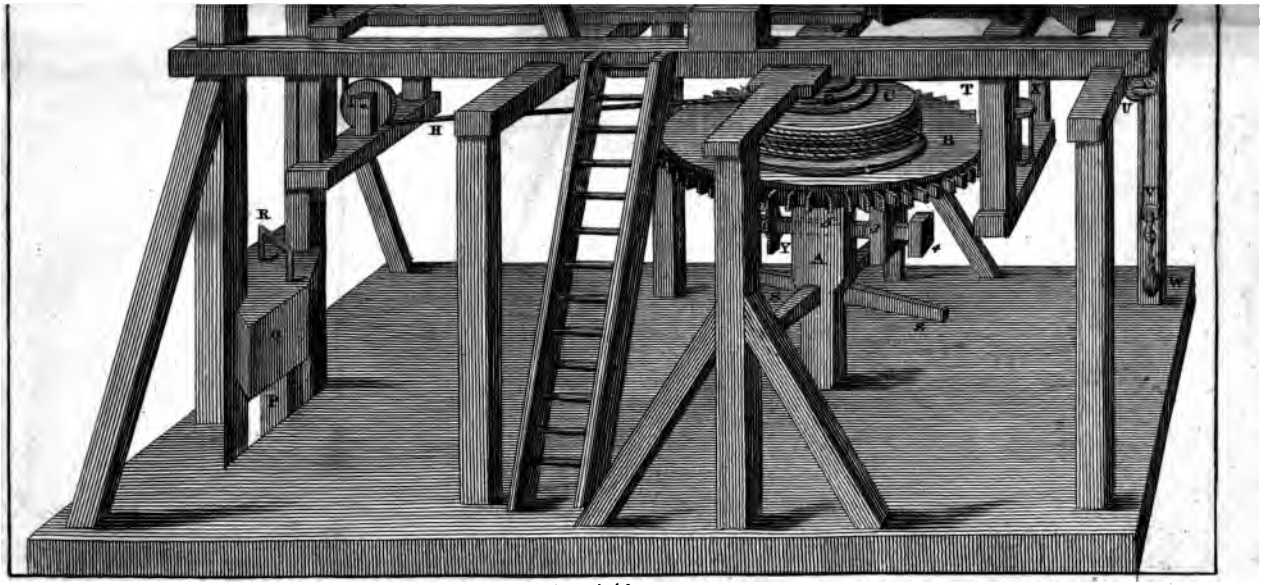
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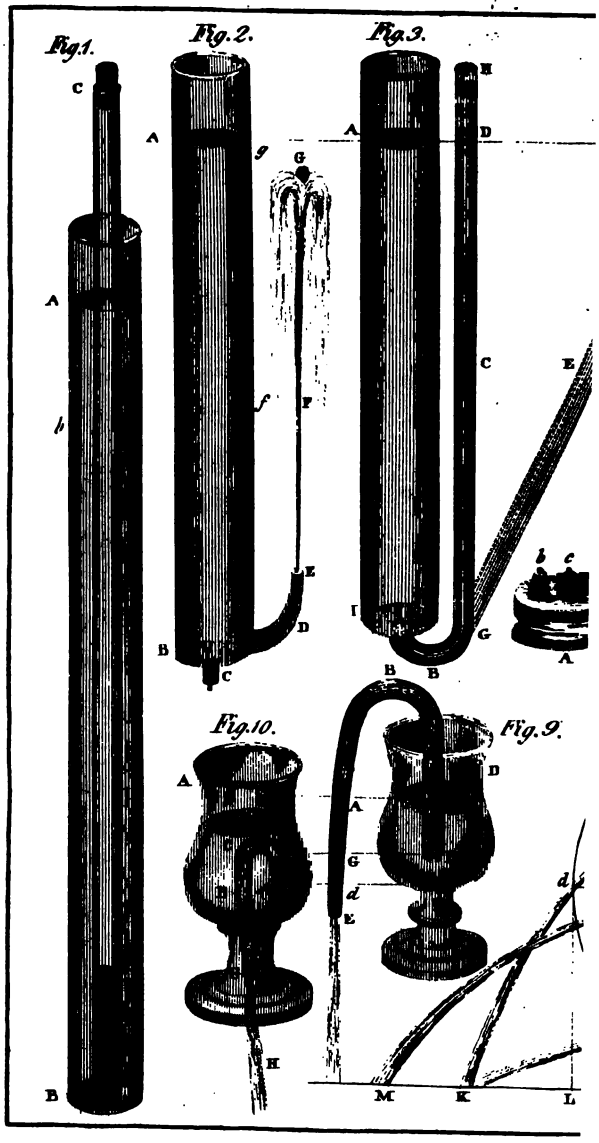
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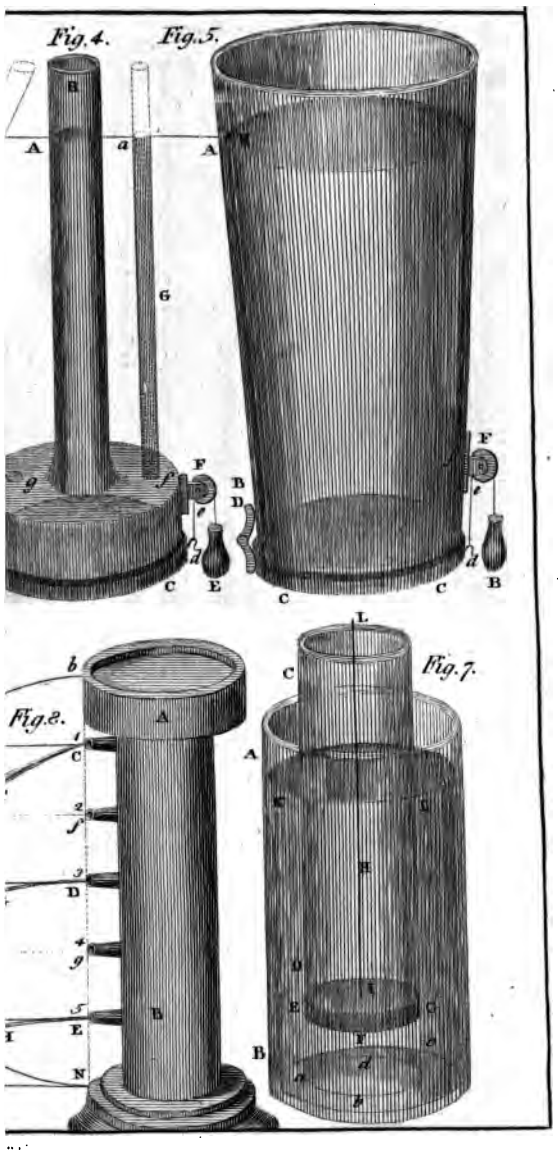
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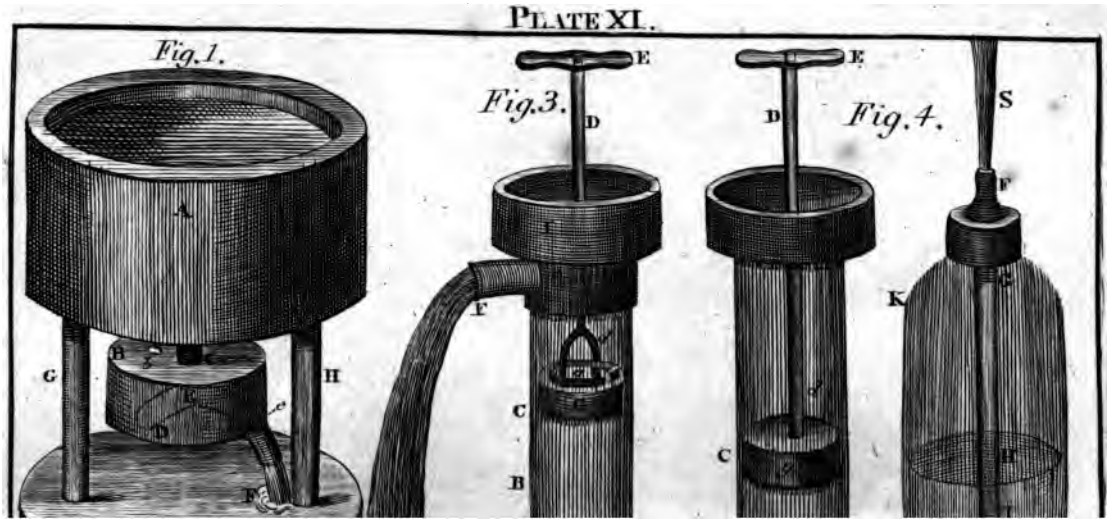

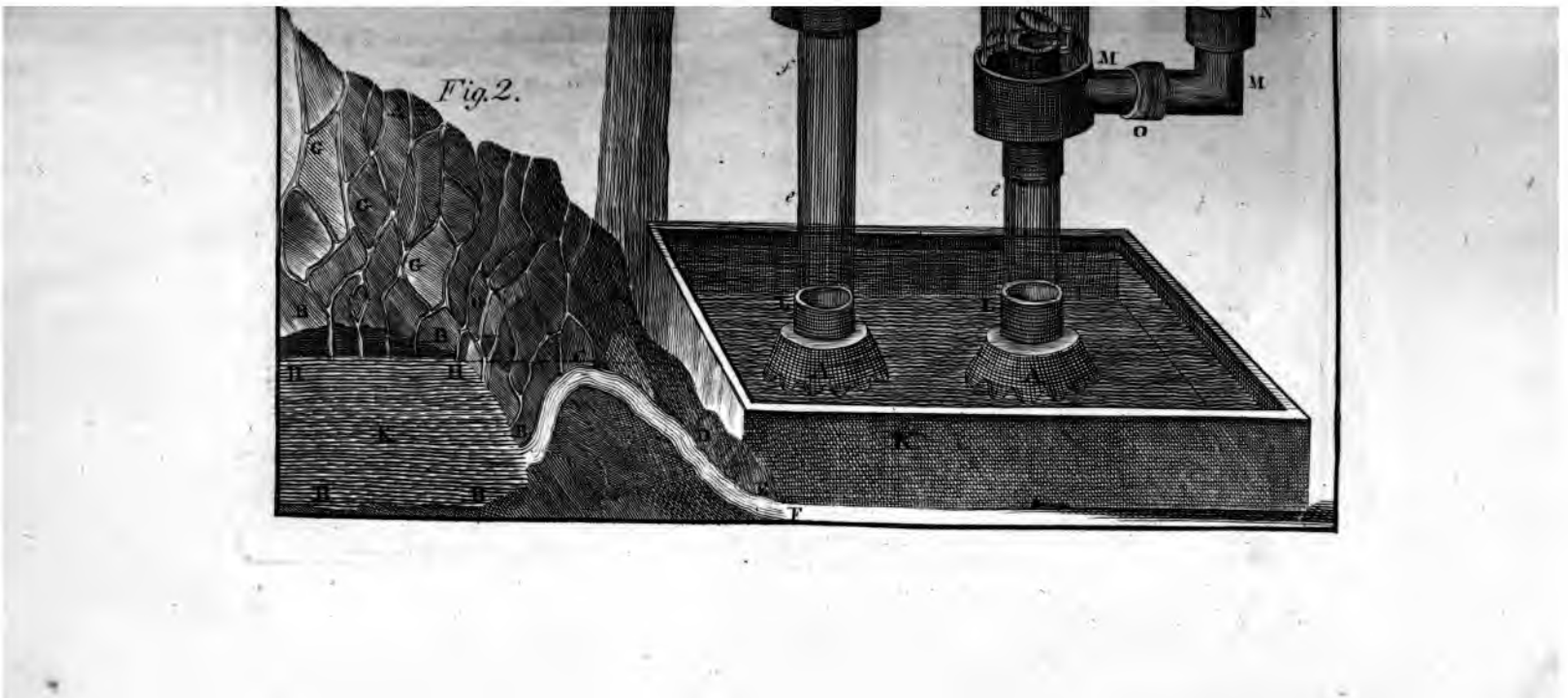
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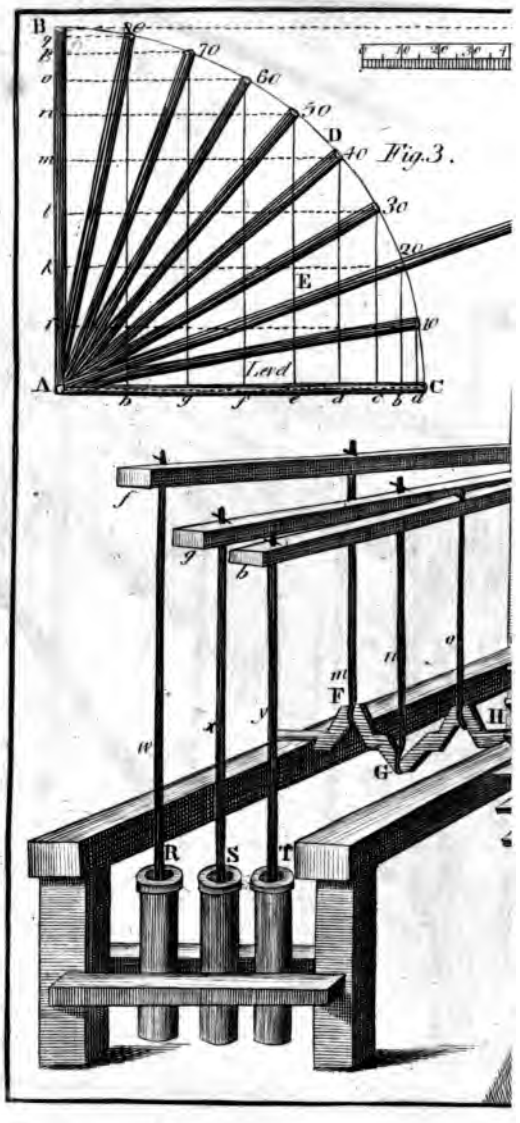
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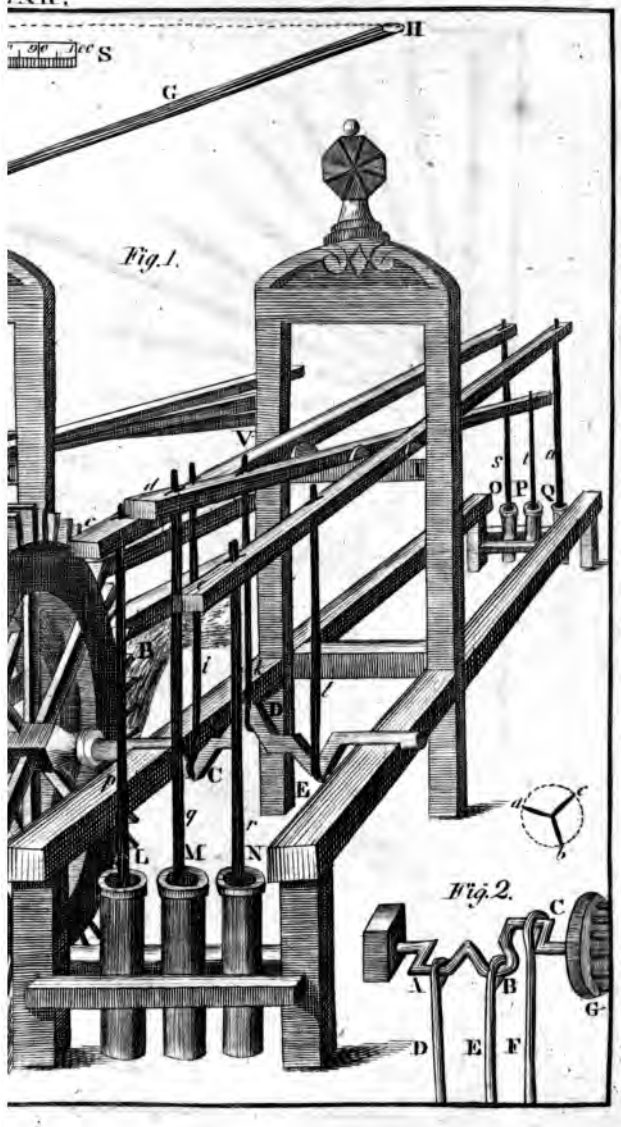

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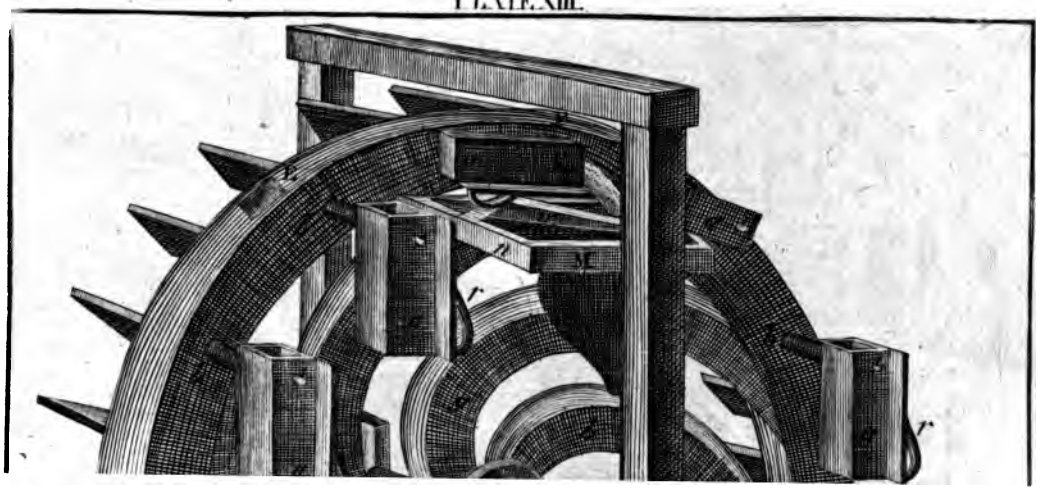

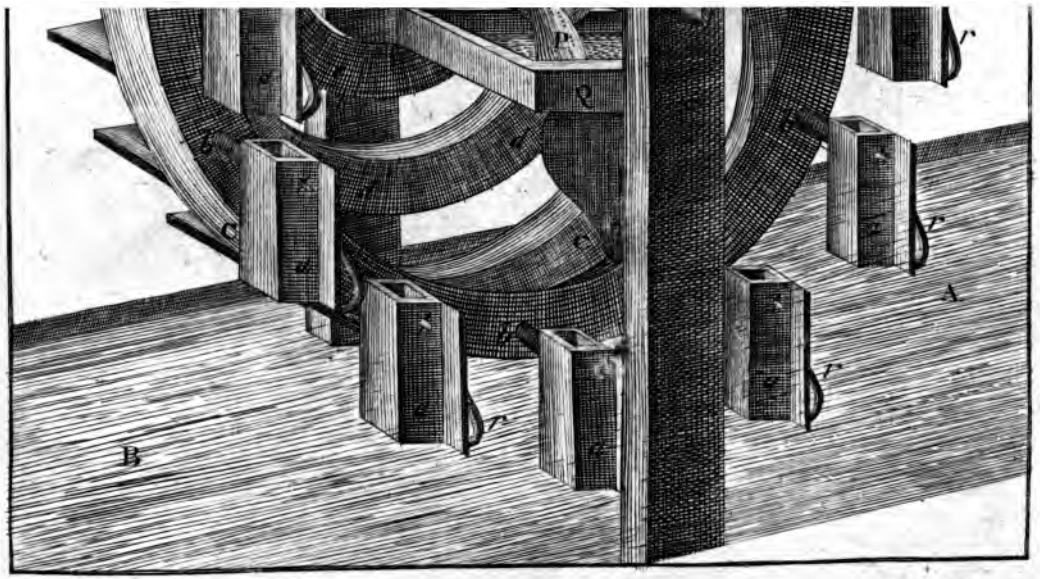
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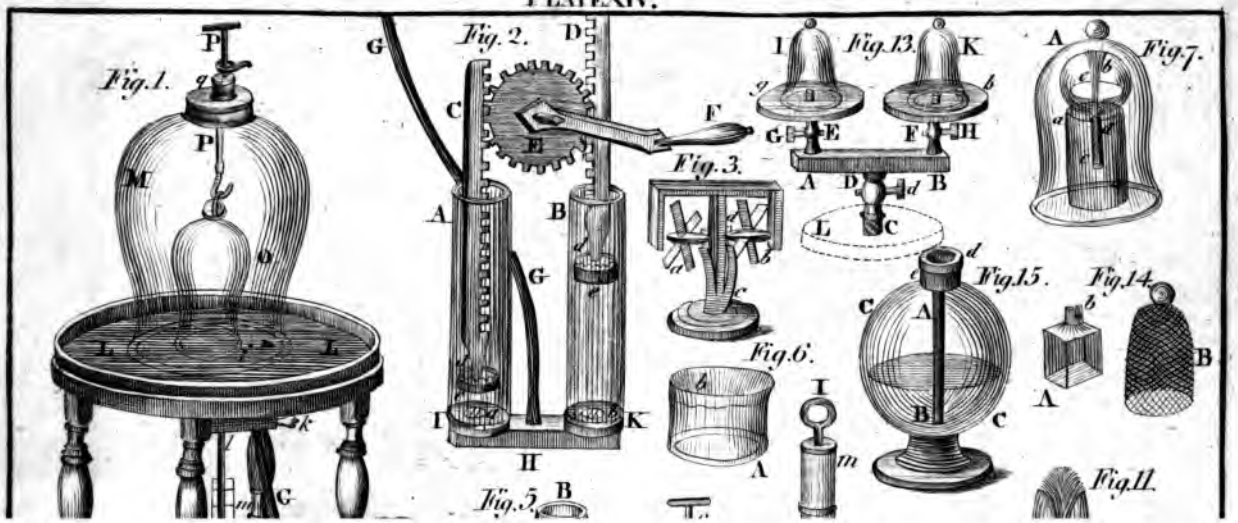
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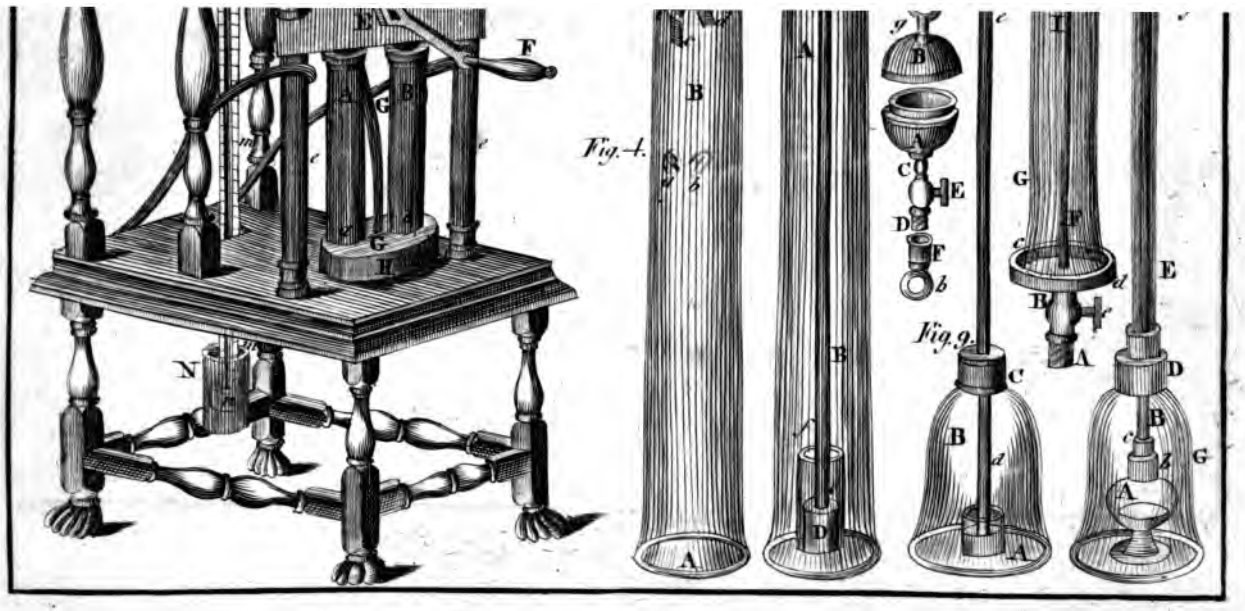
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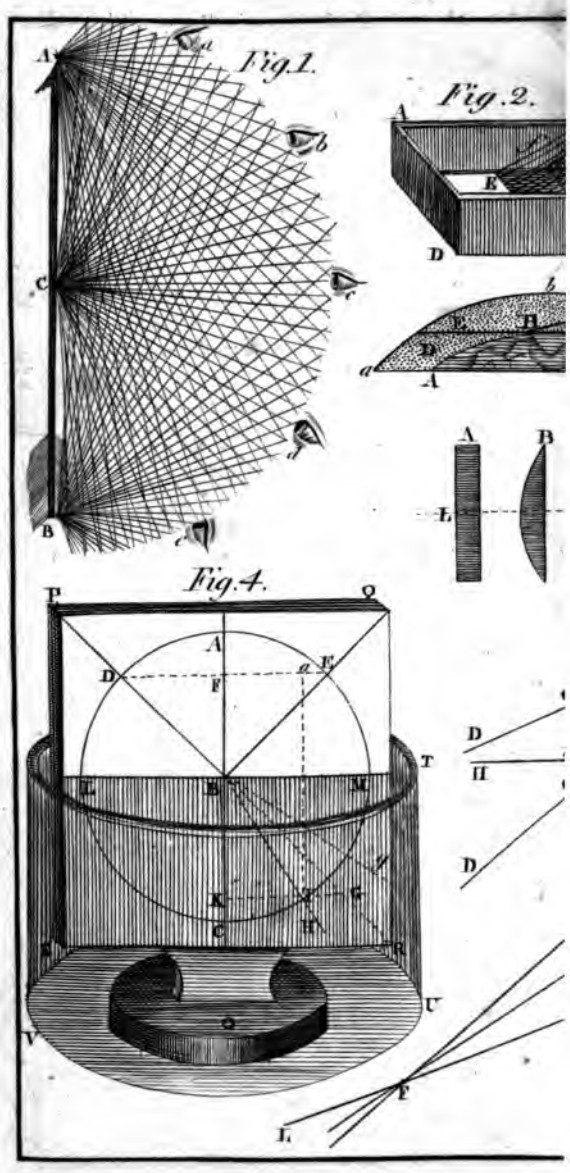
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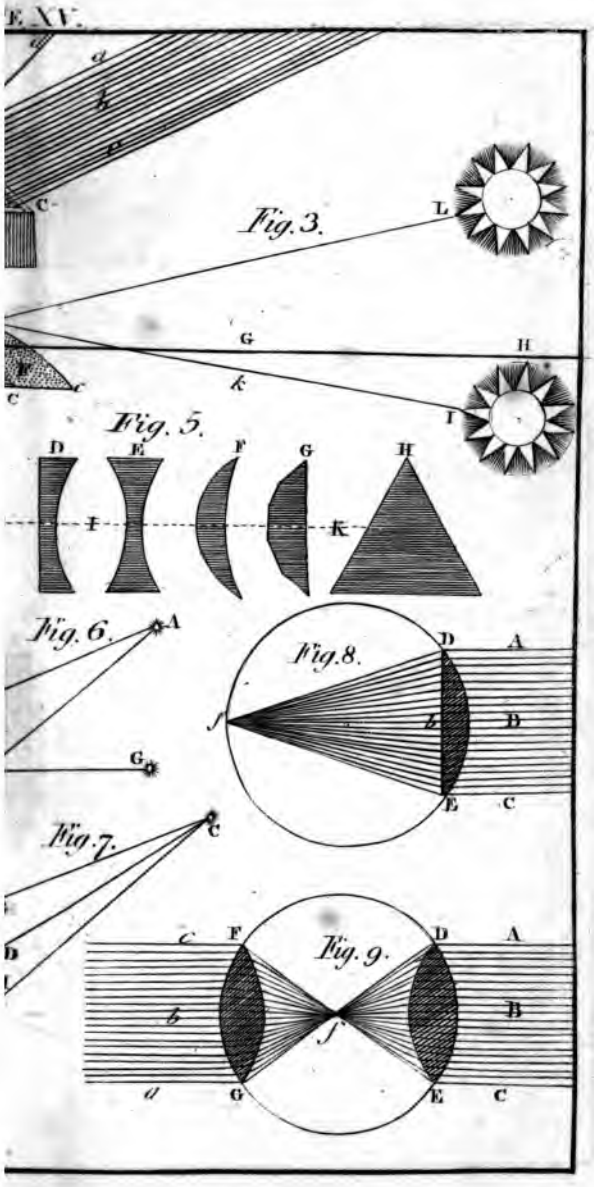
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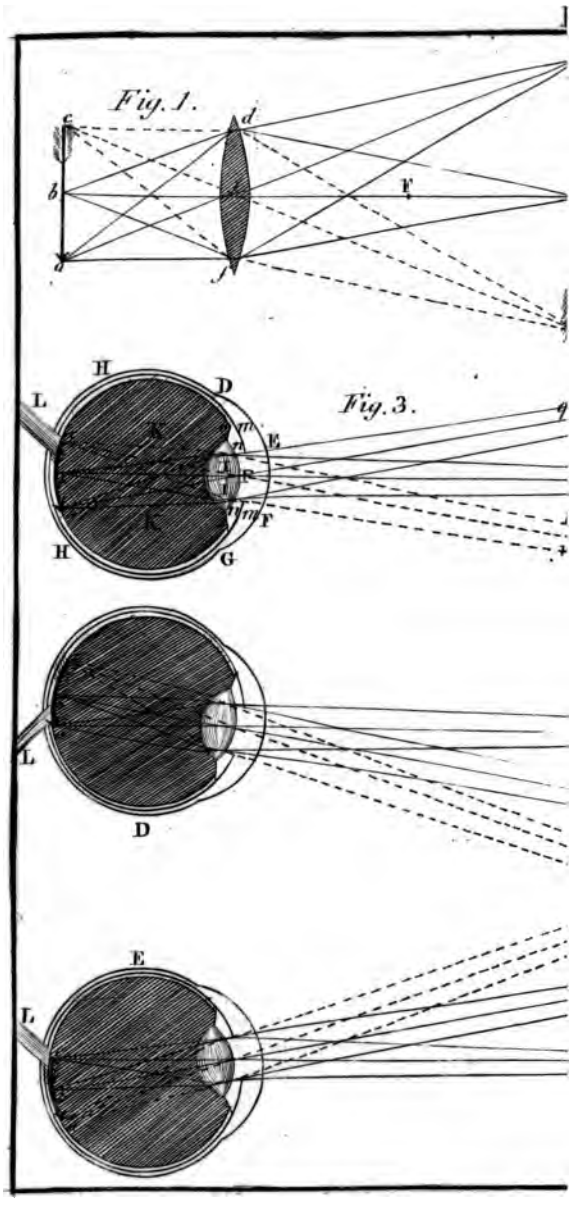
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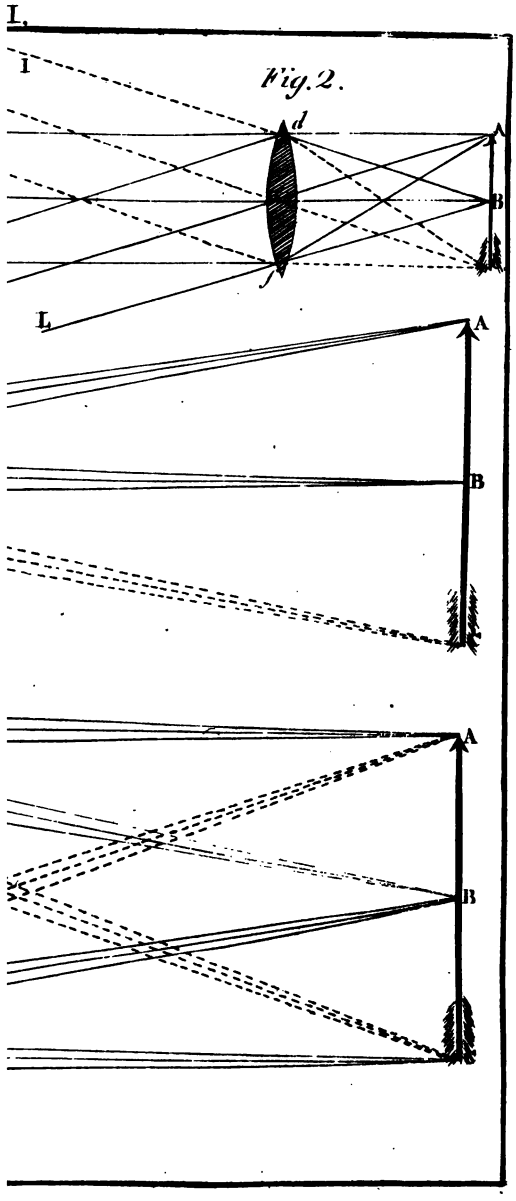

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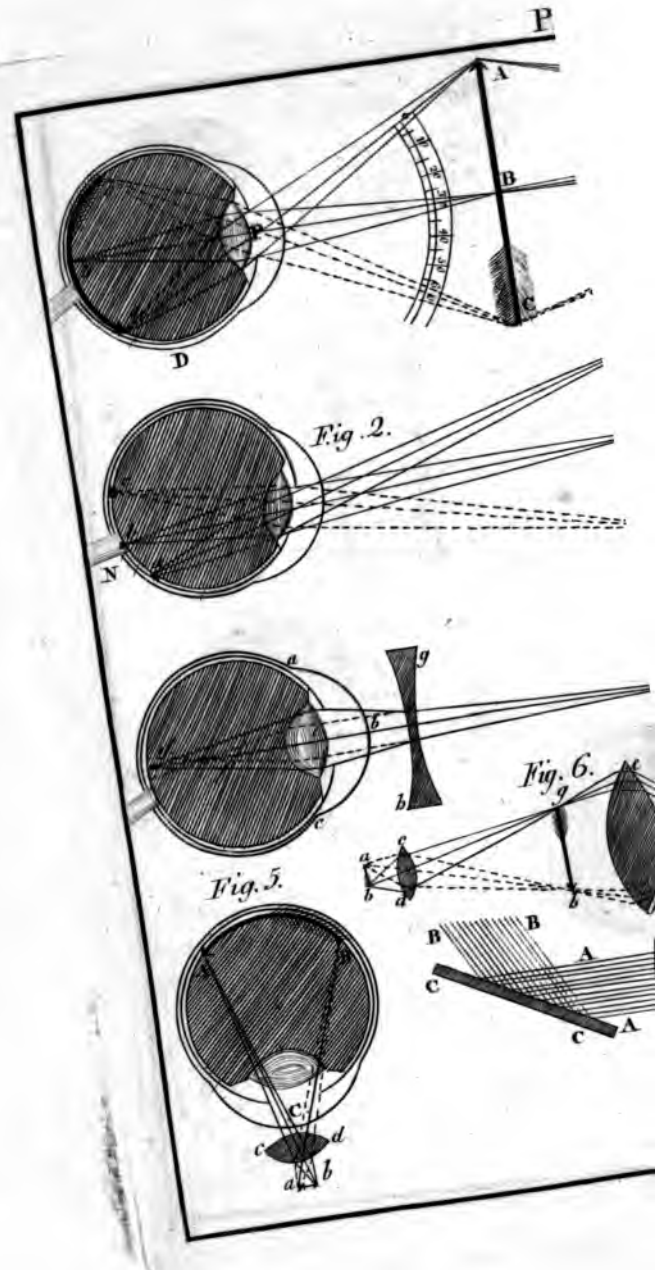
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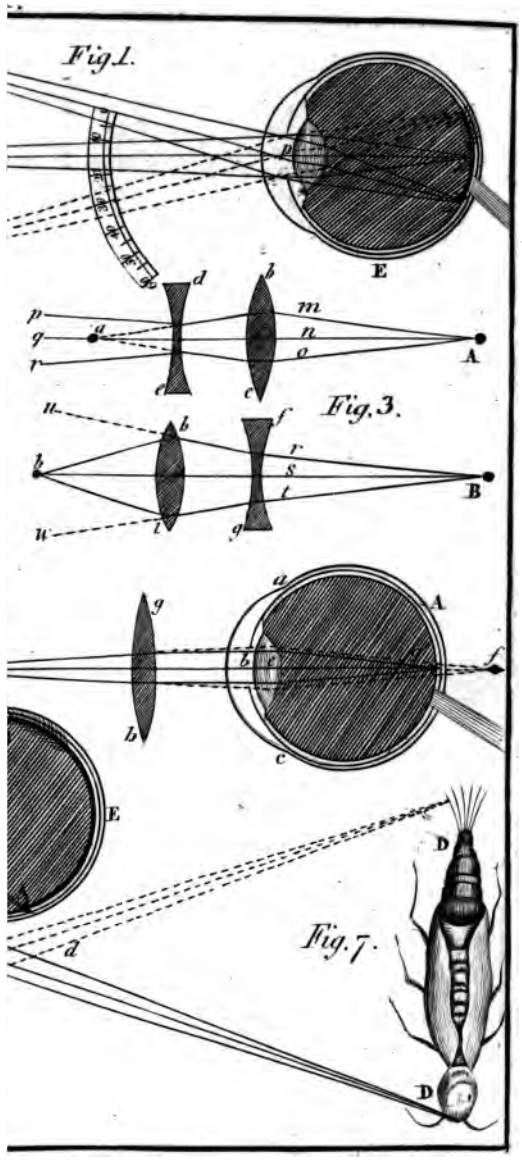
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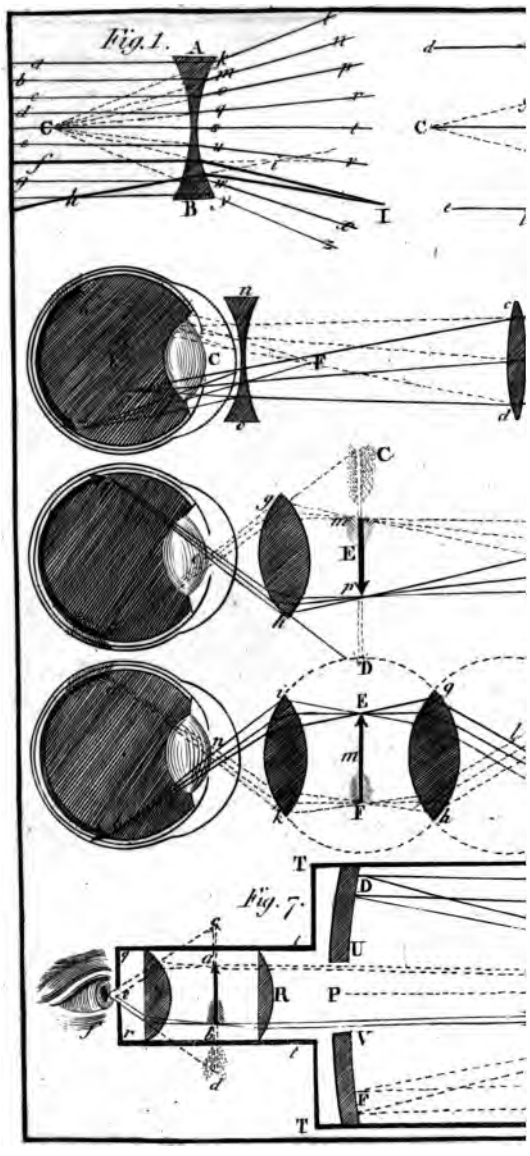
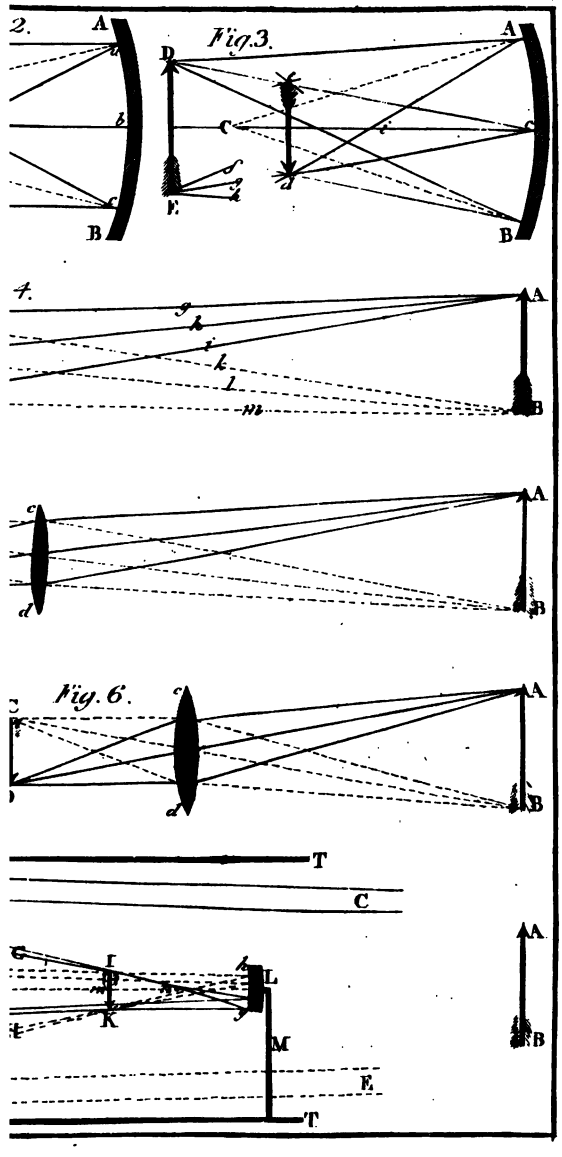


Fig. 1.
A
B
C
C
F
C
E
D
E
F
Fig. 7.
T
D
U
R
P
V
F
T

III.



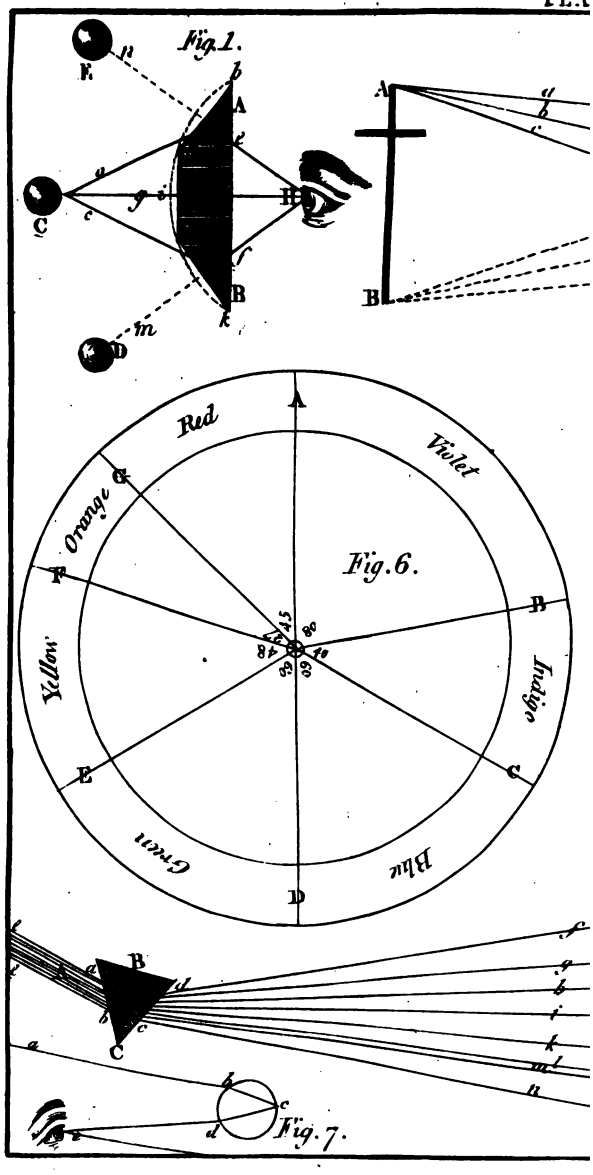


Fig. 1.
Red
Orange
Yellow
Green
Blue
Indigo
Violet
Fig. 6.
Fig. 7.

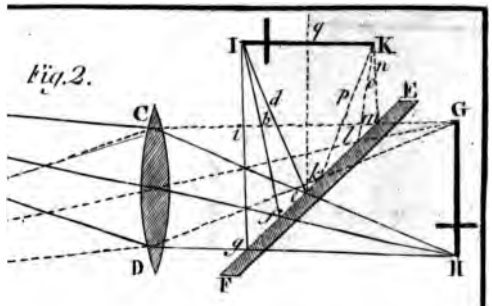


Fig.2.
I
K
q
n
C
d
p
E
G
l
k
D
F
H

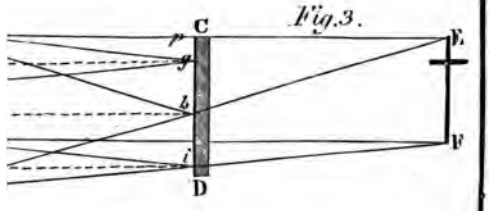


Fig.3.
C
r
E
g
b
F
i
D

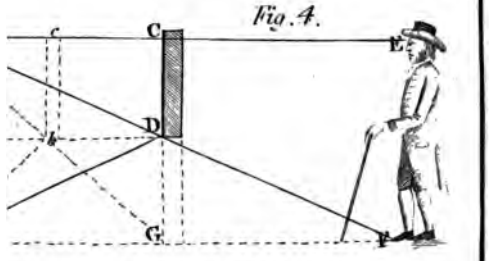


Fig.4.
c
C
E
D
b
G
F

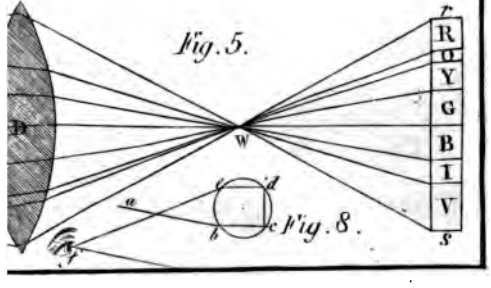
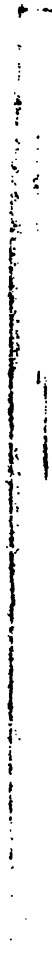


Fig.5.
r
R
O
Y
G
B
I
V
s
W
a
c
d
b
Fig.8.



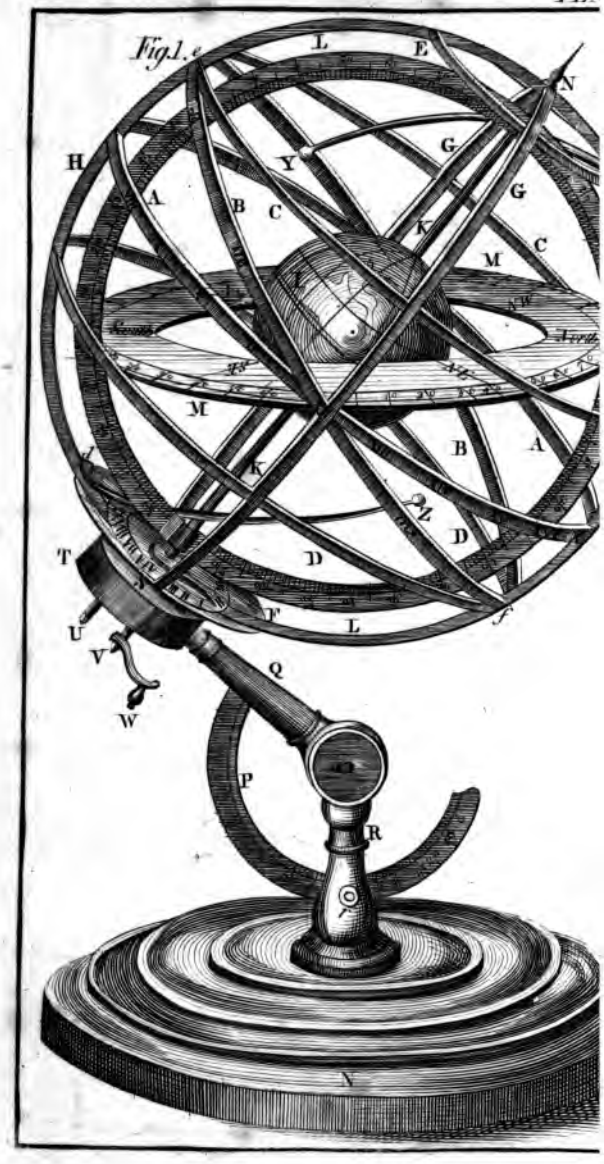


Fig. 1.
L
E
N
H
Y
G
A
B
C
K
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Z
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T
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U
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Q
P
R

IX.

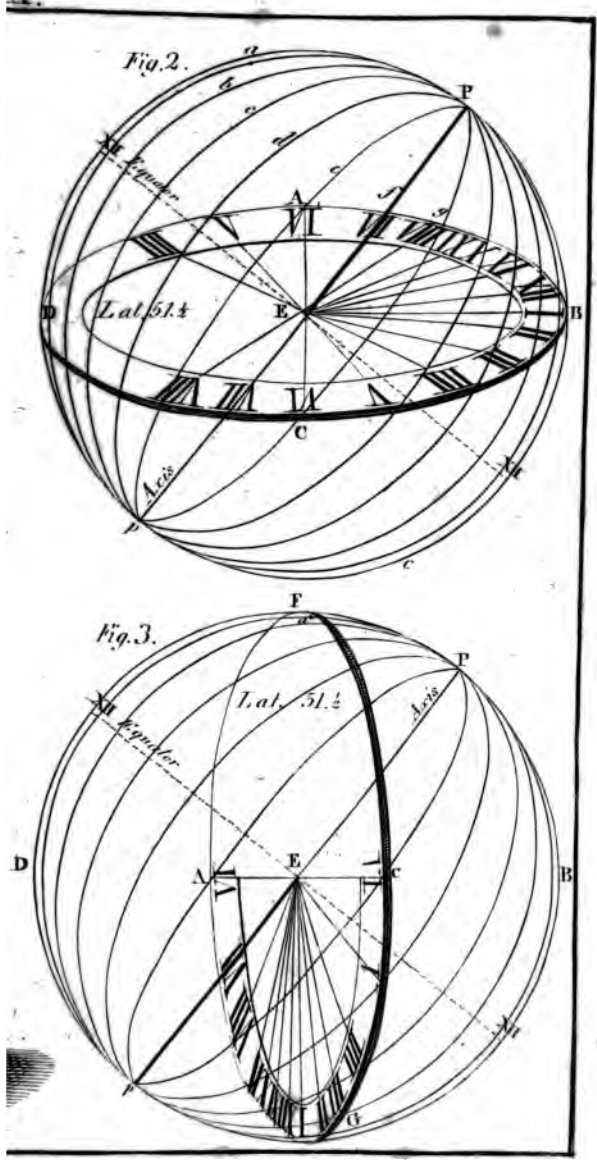
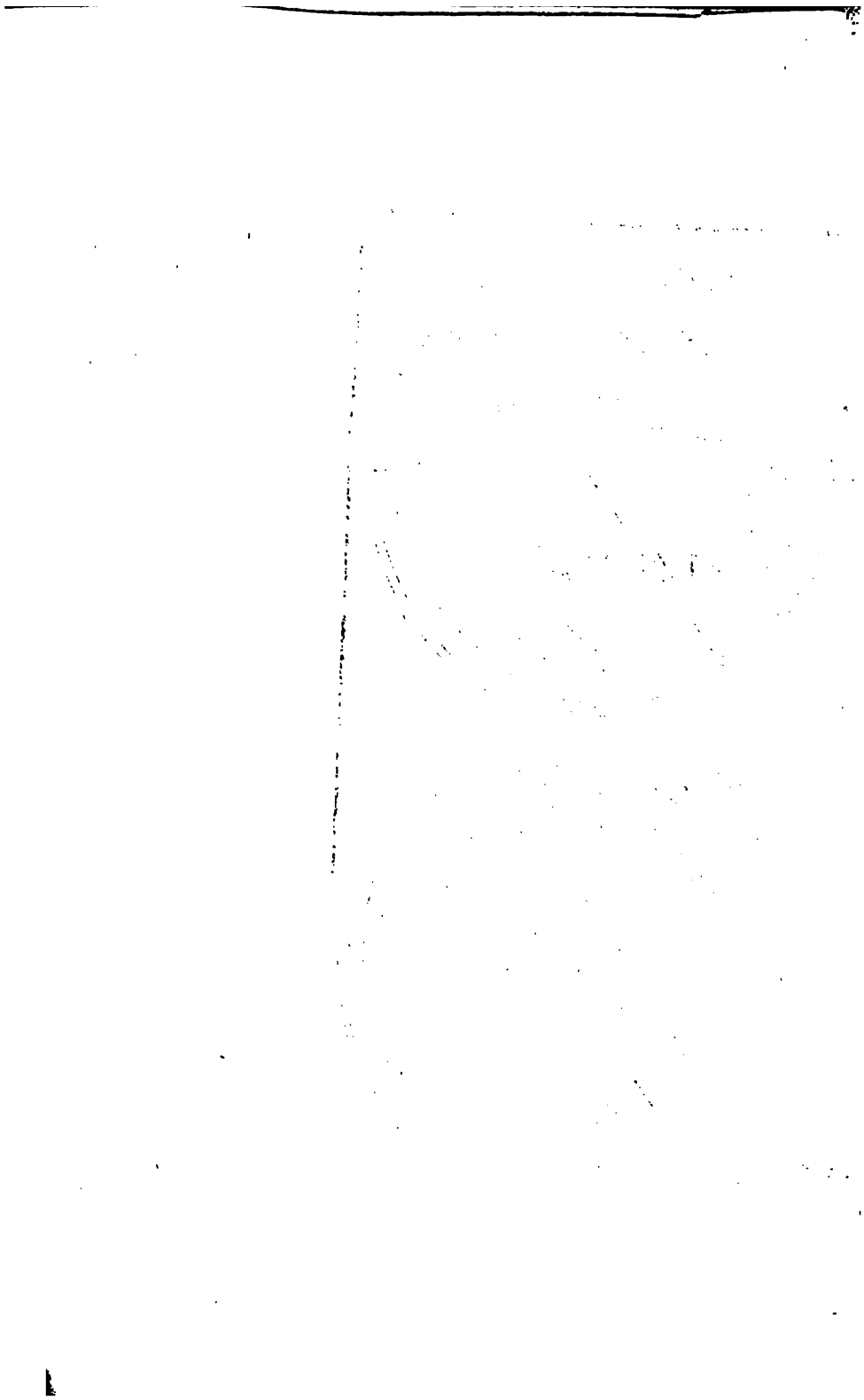
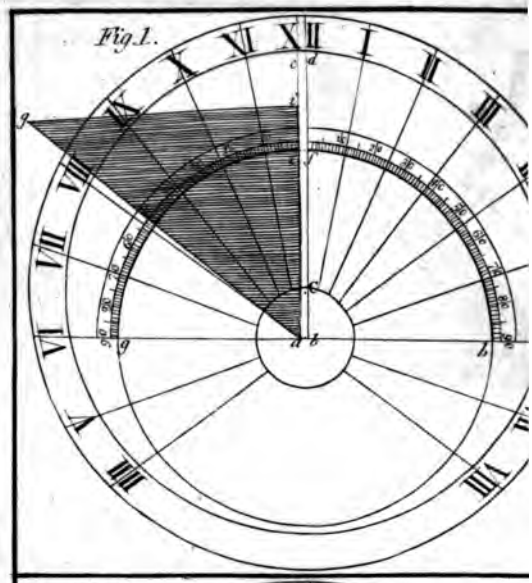


Fig. 2.
a
b
c
d
e
P
Equator
A
D
Lat. 51½
E
B
C
Axis
p
Fig. 3.
F
P
Lat. 51½
Axis
Equator
D
A
E
C
B
p
G

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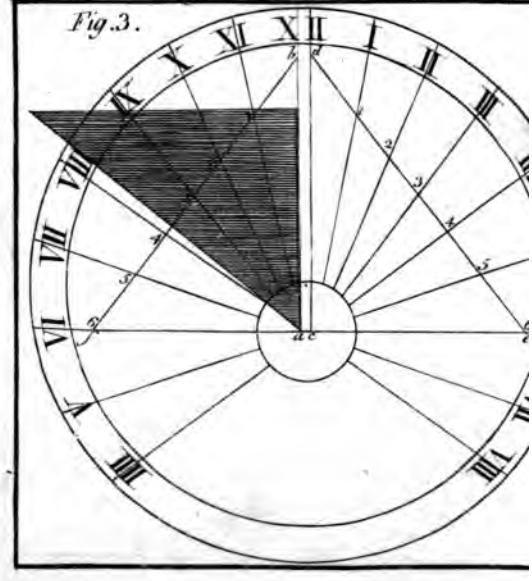
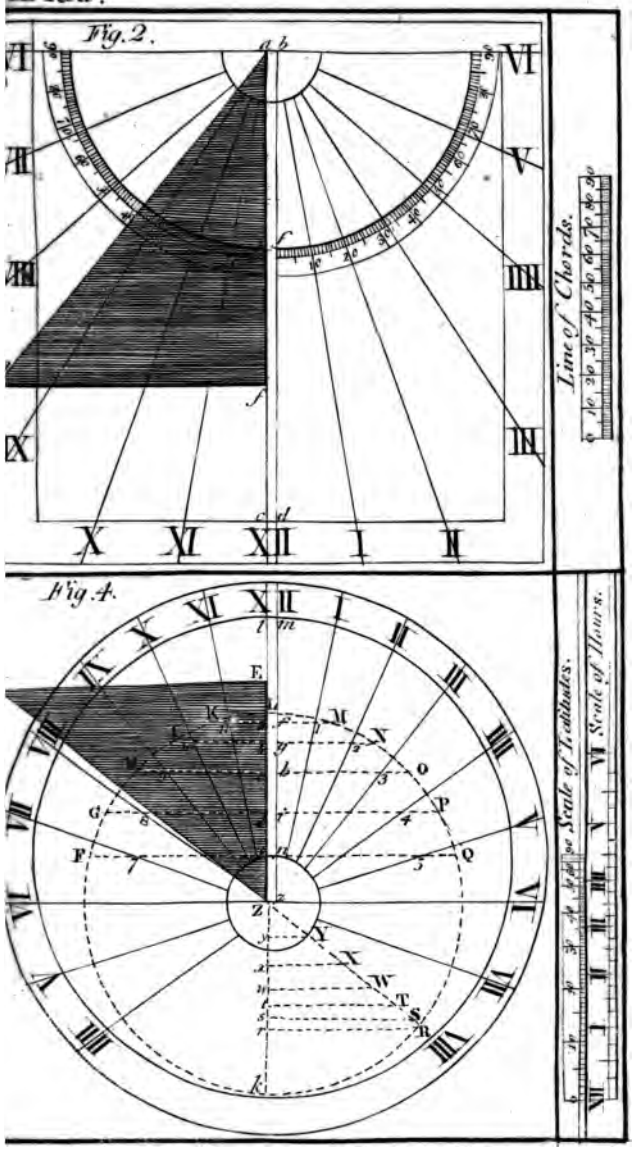


Fig.3.

TE XXI.



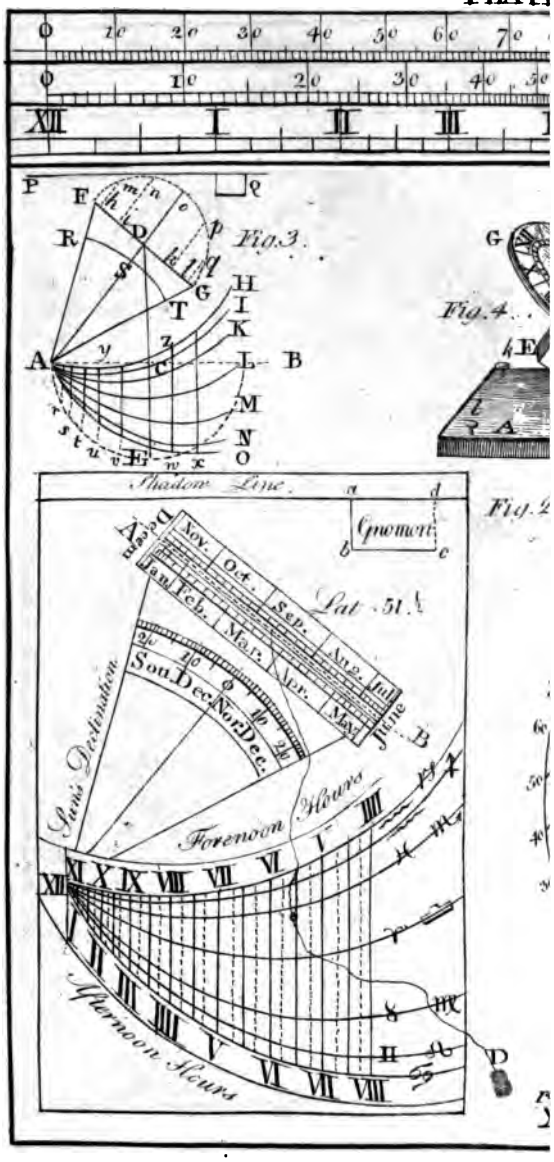
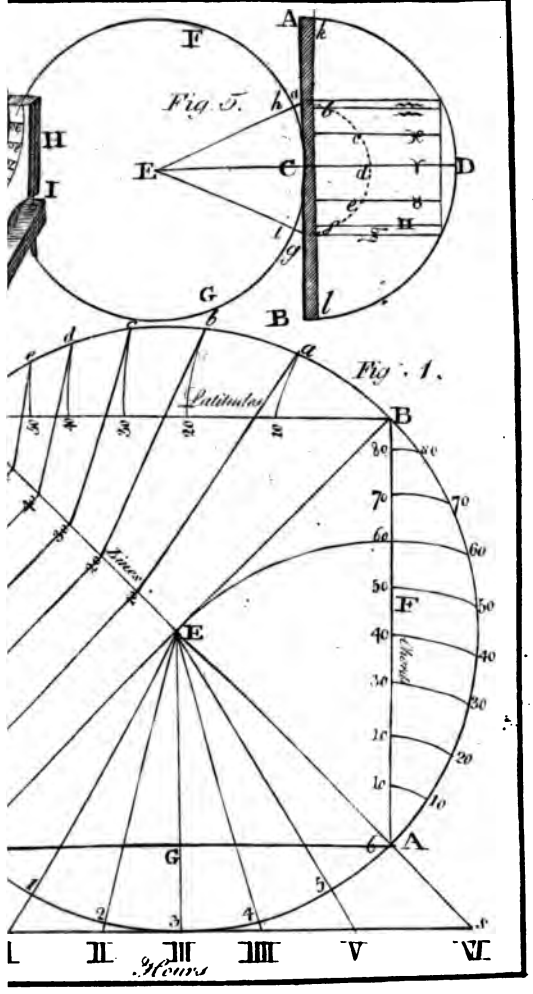


Fig. 3.
Fig. 4.
Shadow Line.
Gnomon
Lat. 51.½
Nov.
Oct.
Sept.
Aug.
July
June
May
Apr.
Mar.
Feb.
Jan.
Sun's Declination
Sou. Dec.
Nor. Dec.
Forenoon Hours
Afternoon Hours

The Line of Chords

The Line of Latitudes

VI The Line of Hours



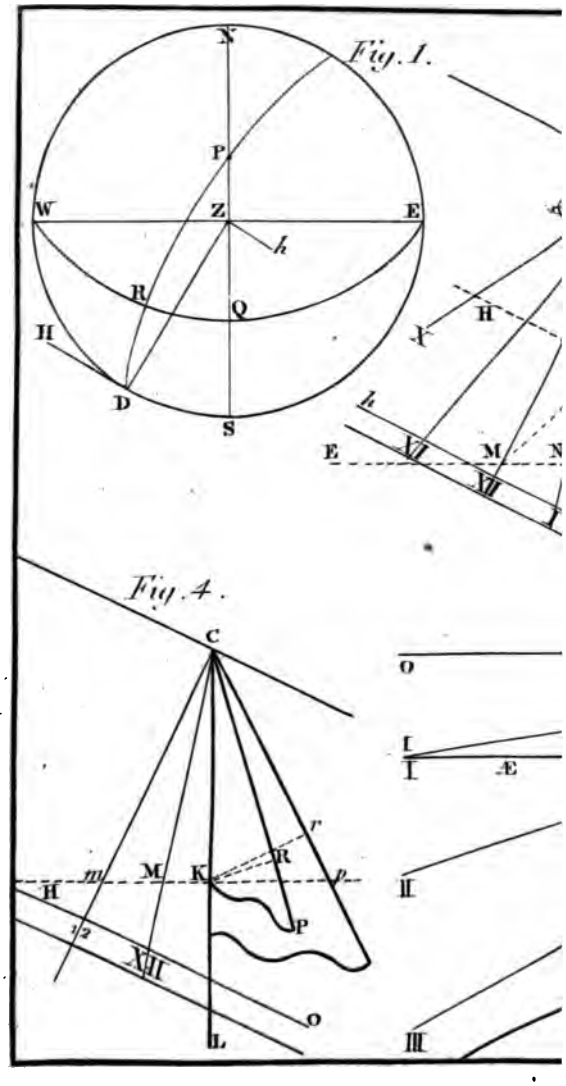


Fig. 1.
N
P
W
Z
E
h
R
Q
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D
S
Fig. 4.
C
O
r
R
m
M
K
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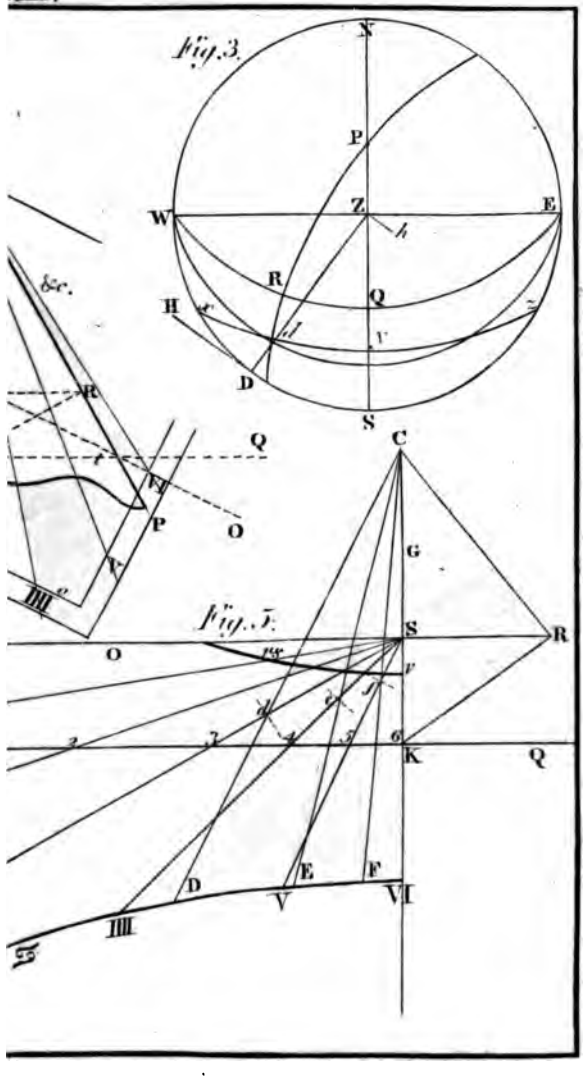
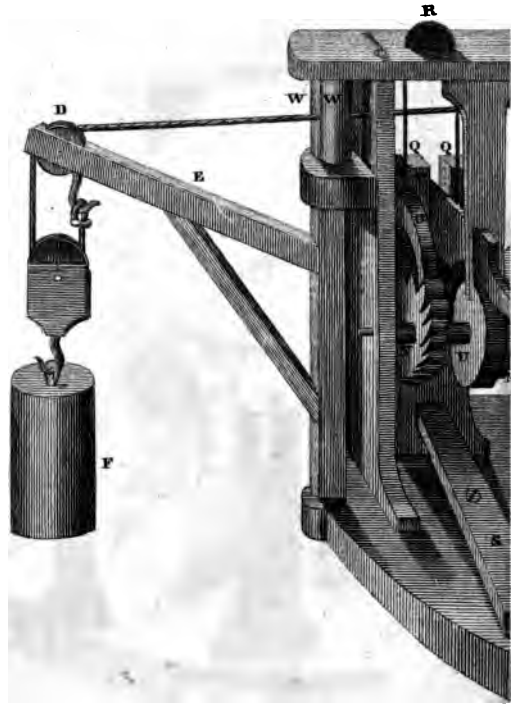
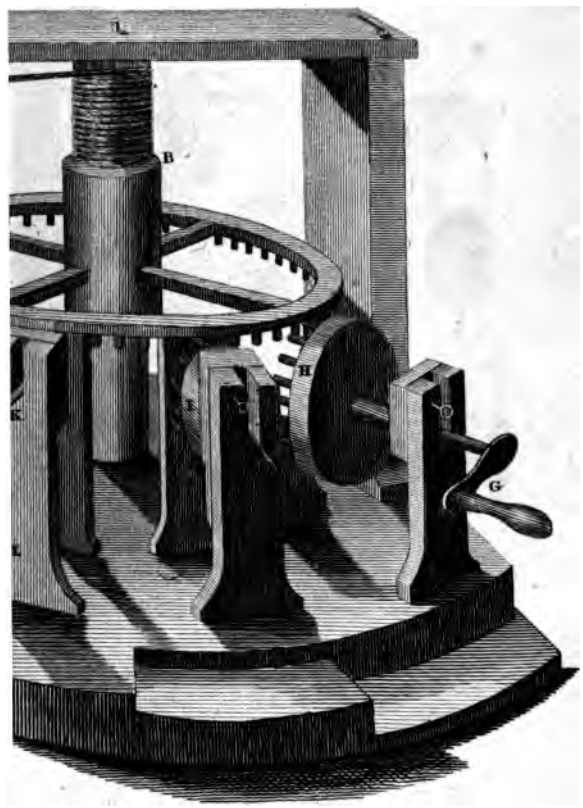
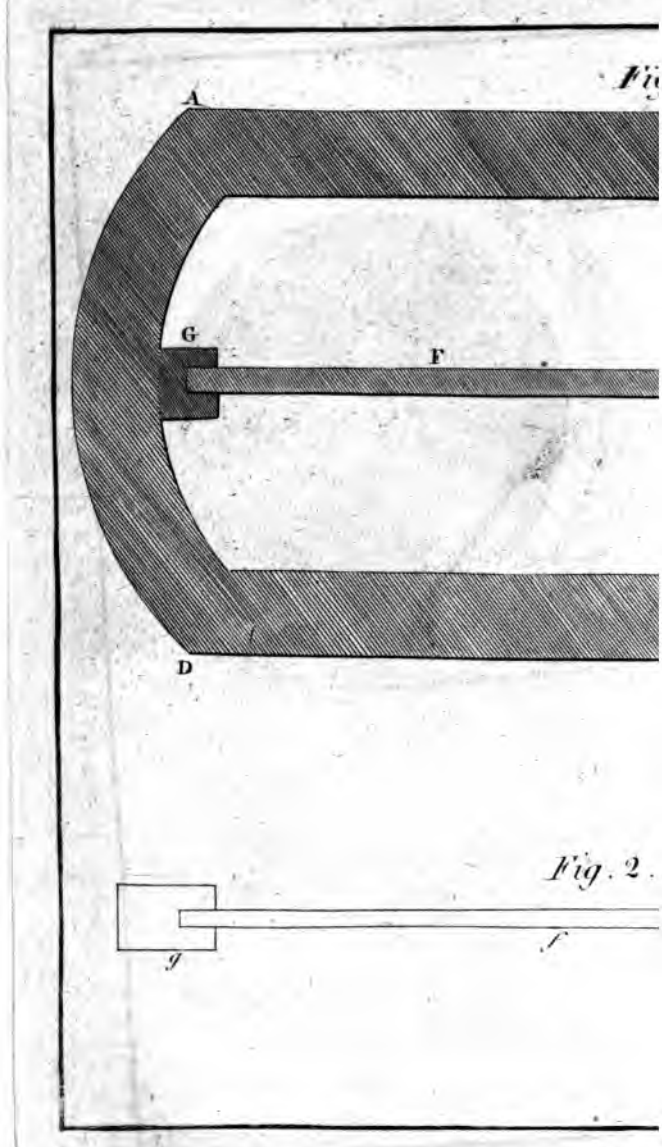
XII
O
L

XIII.




R
D
W
W
Q
Q
E
F


B
H
G



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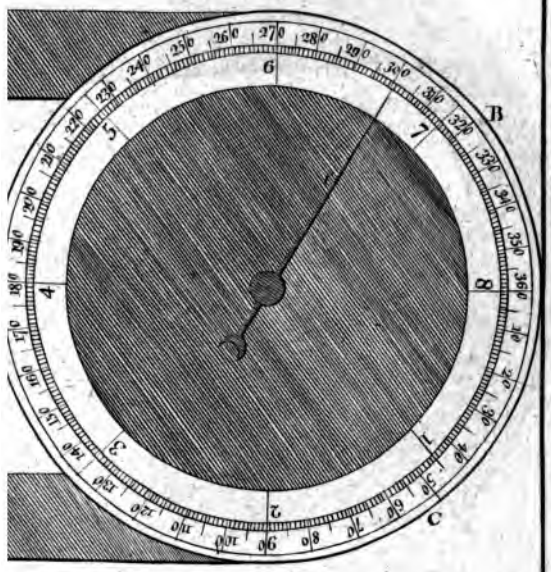
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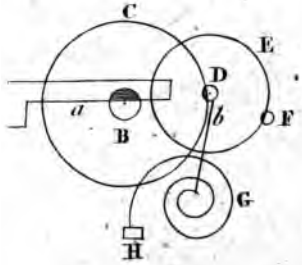
C
E
D
a
B
b
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G
H

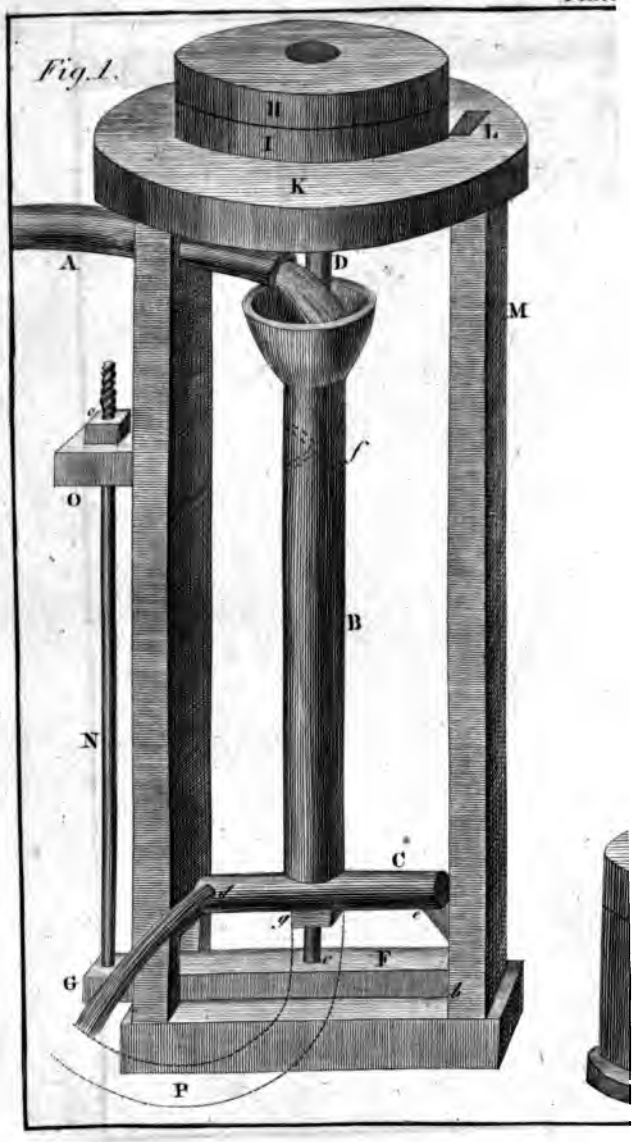
Fig. 1.
H
I
L
K
A
D
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O
f
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P

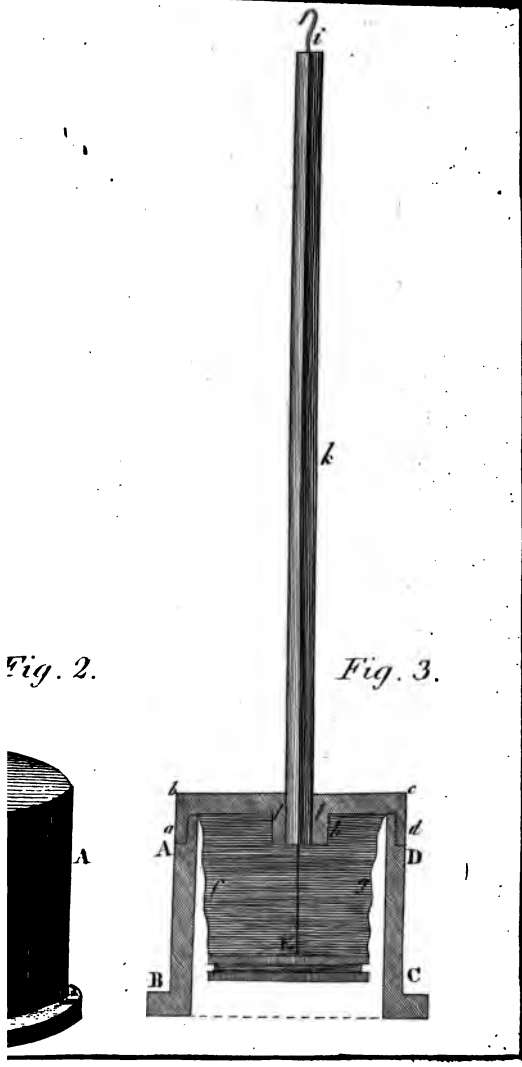

Fig. 2.

Fig. 3.

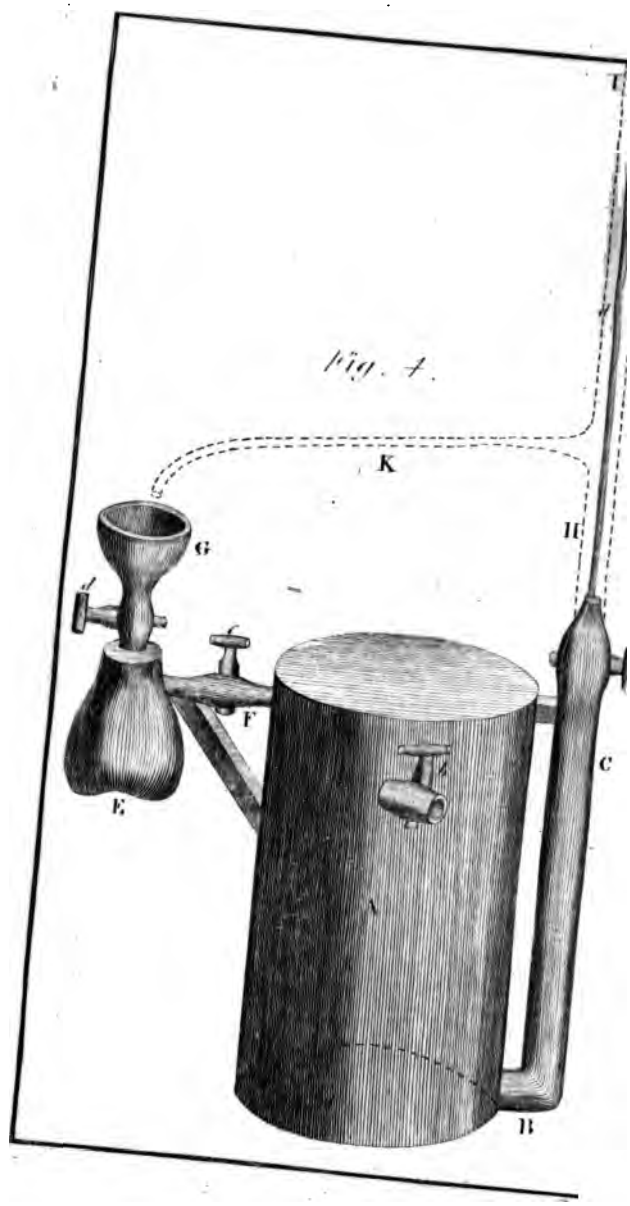
fig. 4.
K
G
H
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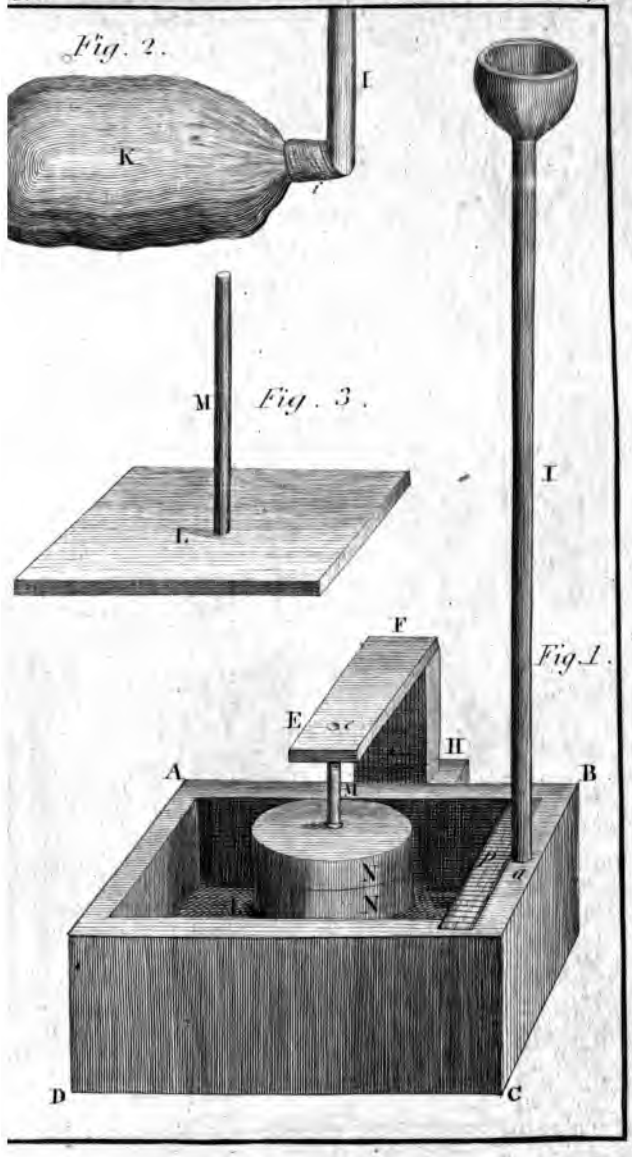
Fig. 2.
I
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Fig. 3.
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Fig. 1.
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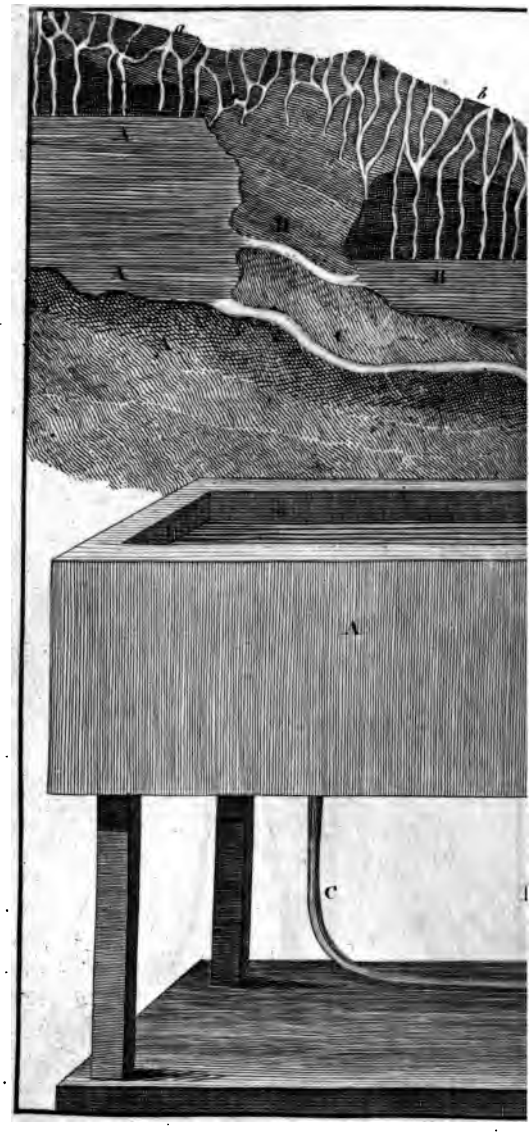

A
C

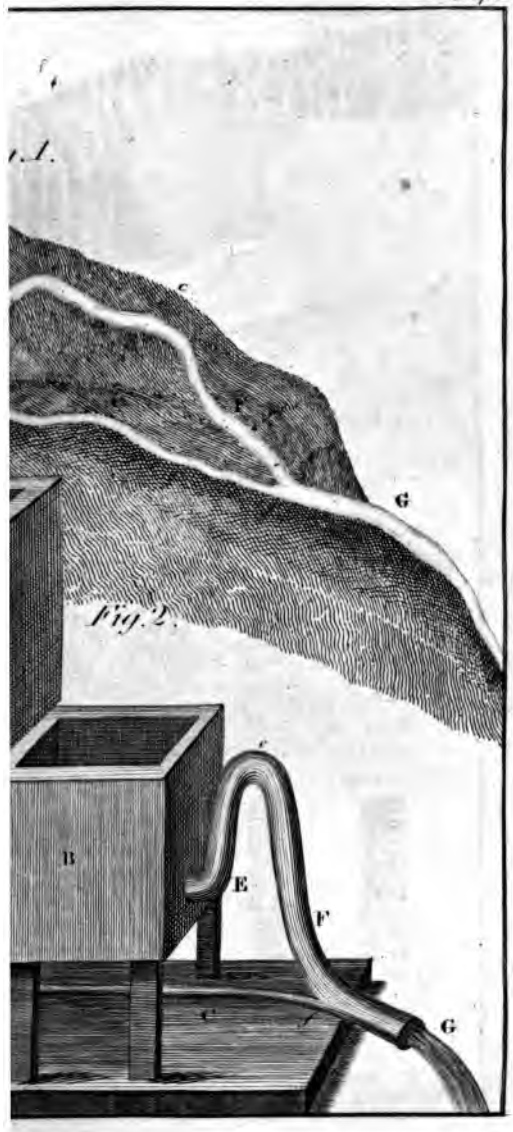
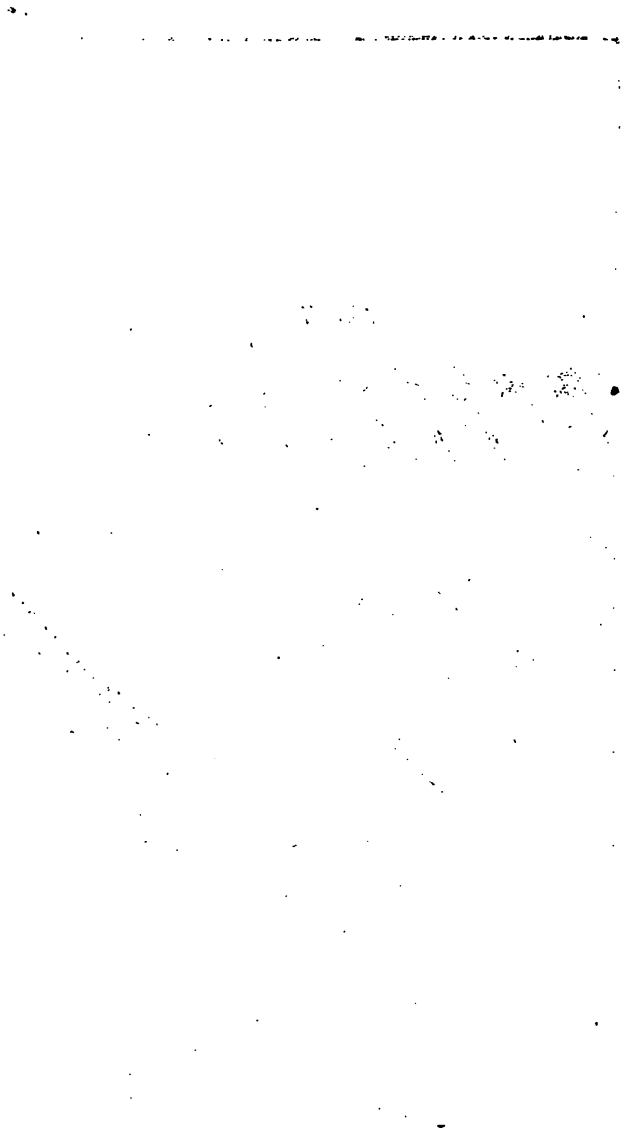


Fig. 2.



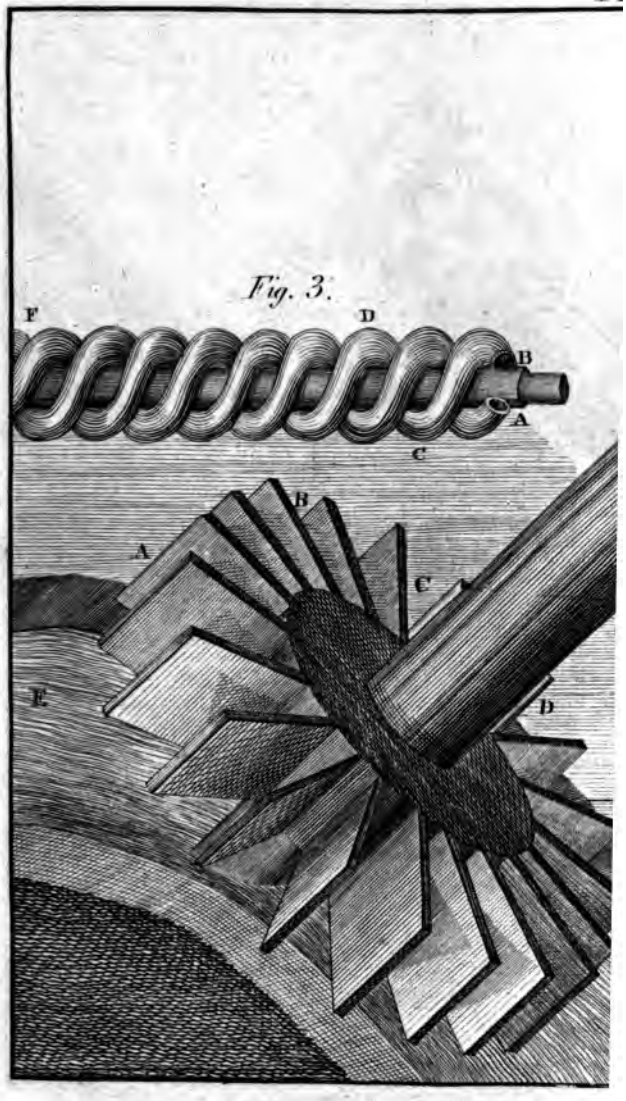


Fig. 3.
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D
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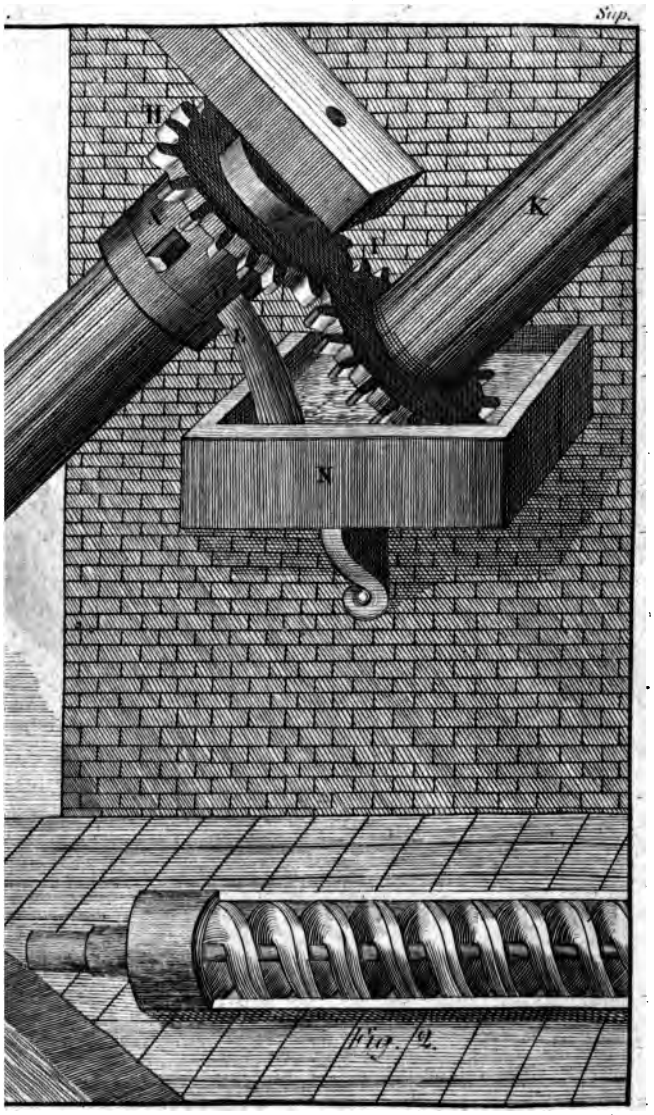
H
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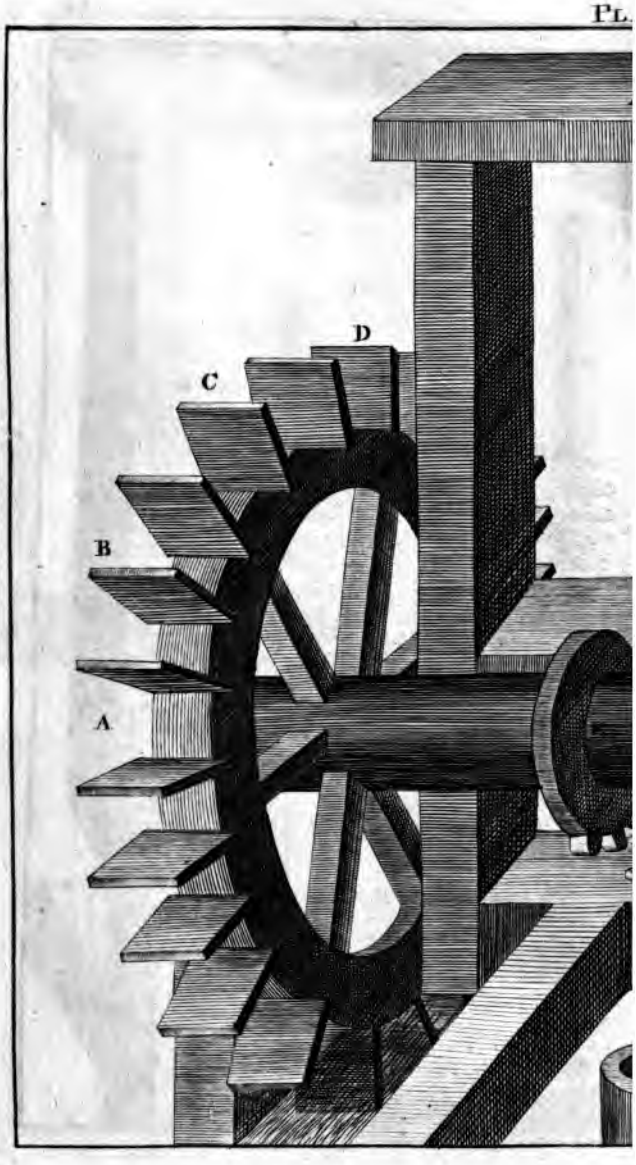
Fig. 2.


D
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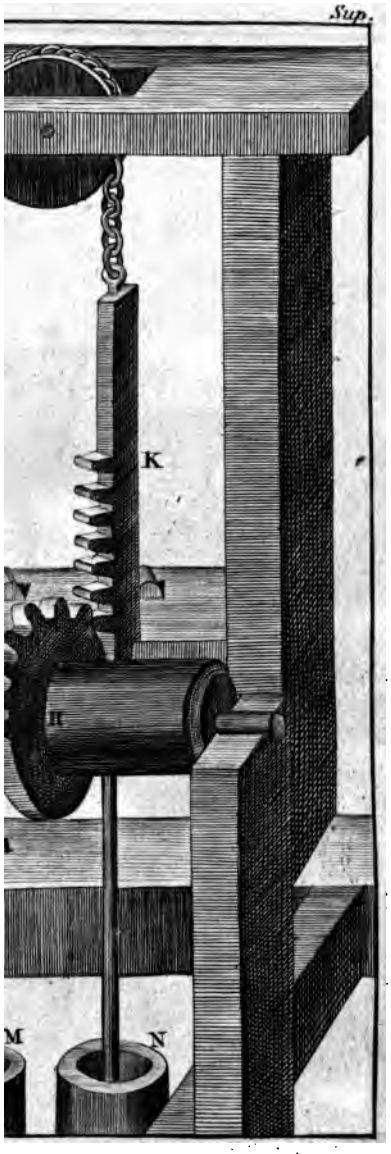
Sup.
K
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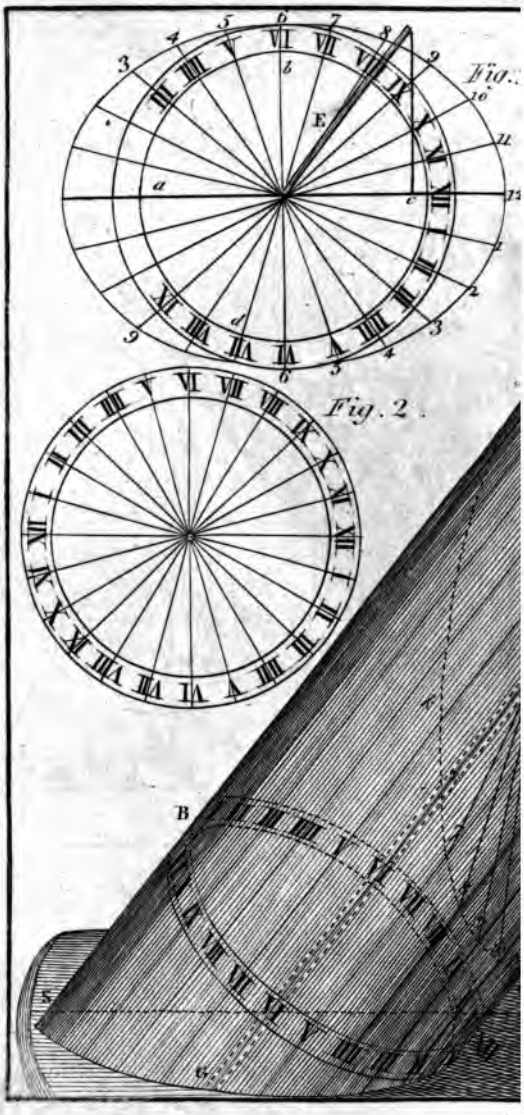
Fig. 1.
Fig. 2.
E
a
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c
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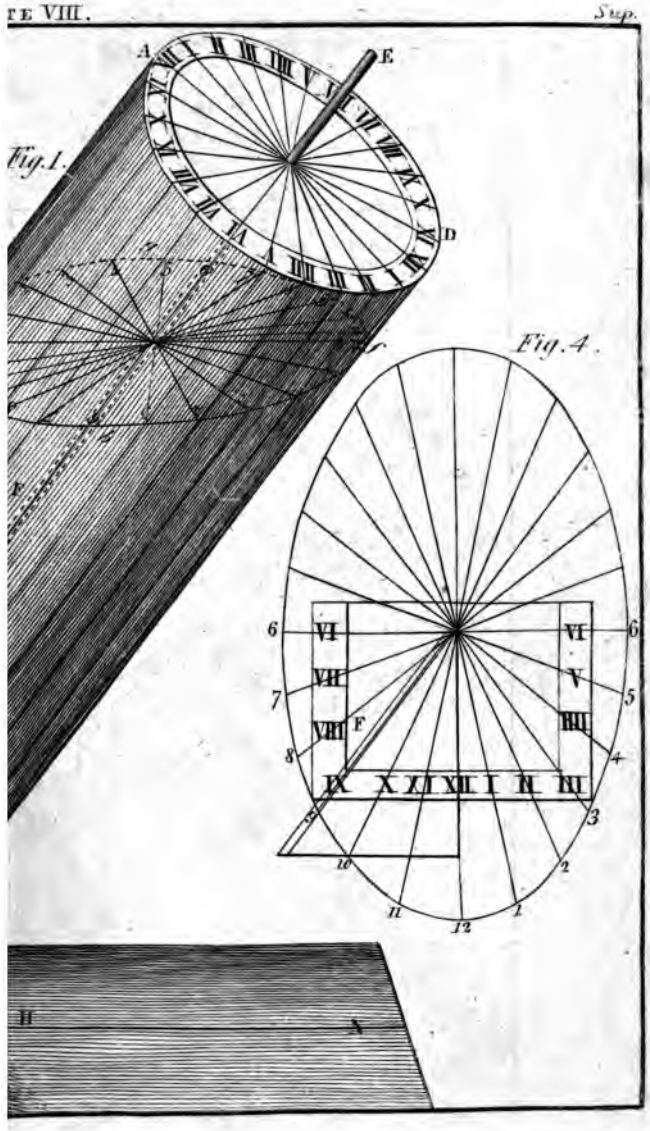
B


A
E
D
Fig. 1.
Fig. 4.
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VI
VII
VIII
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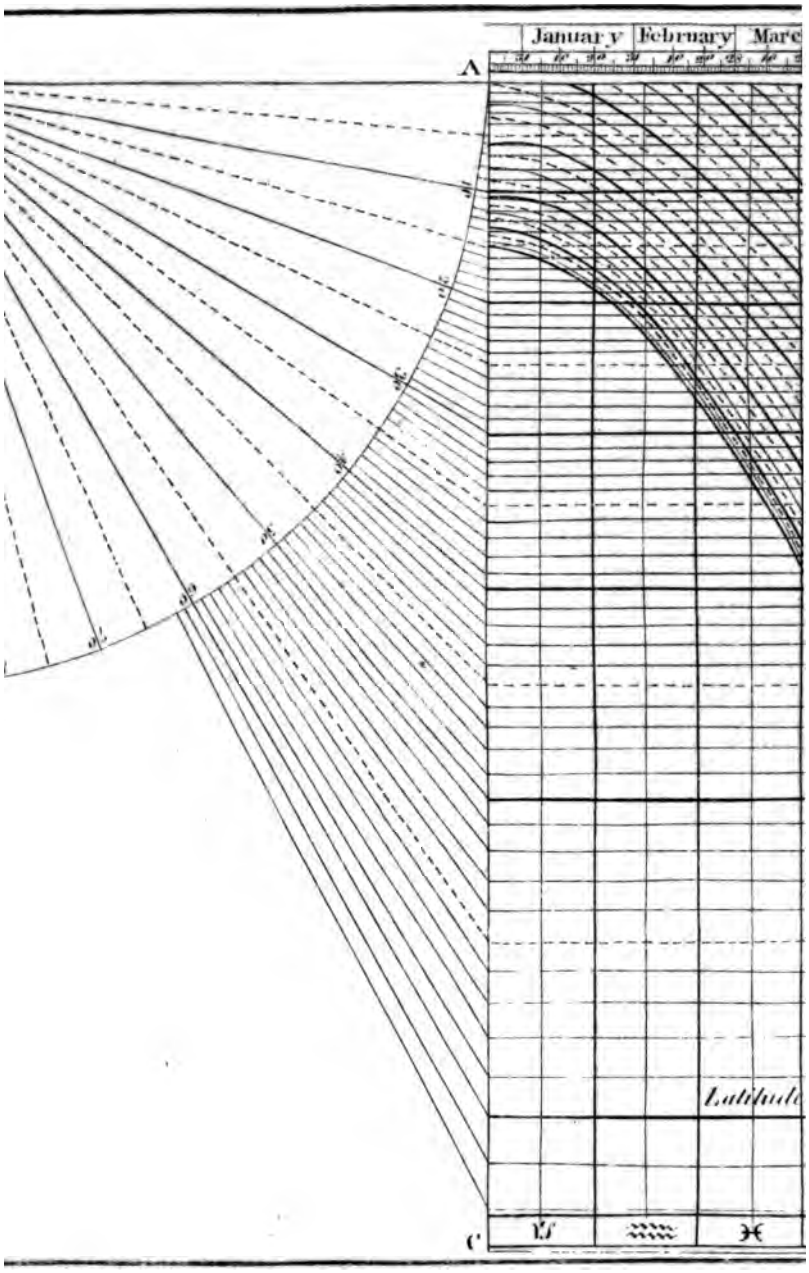
IV
V


January
February
Marc
A
Latitude
C
♑
♒
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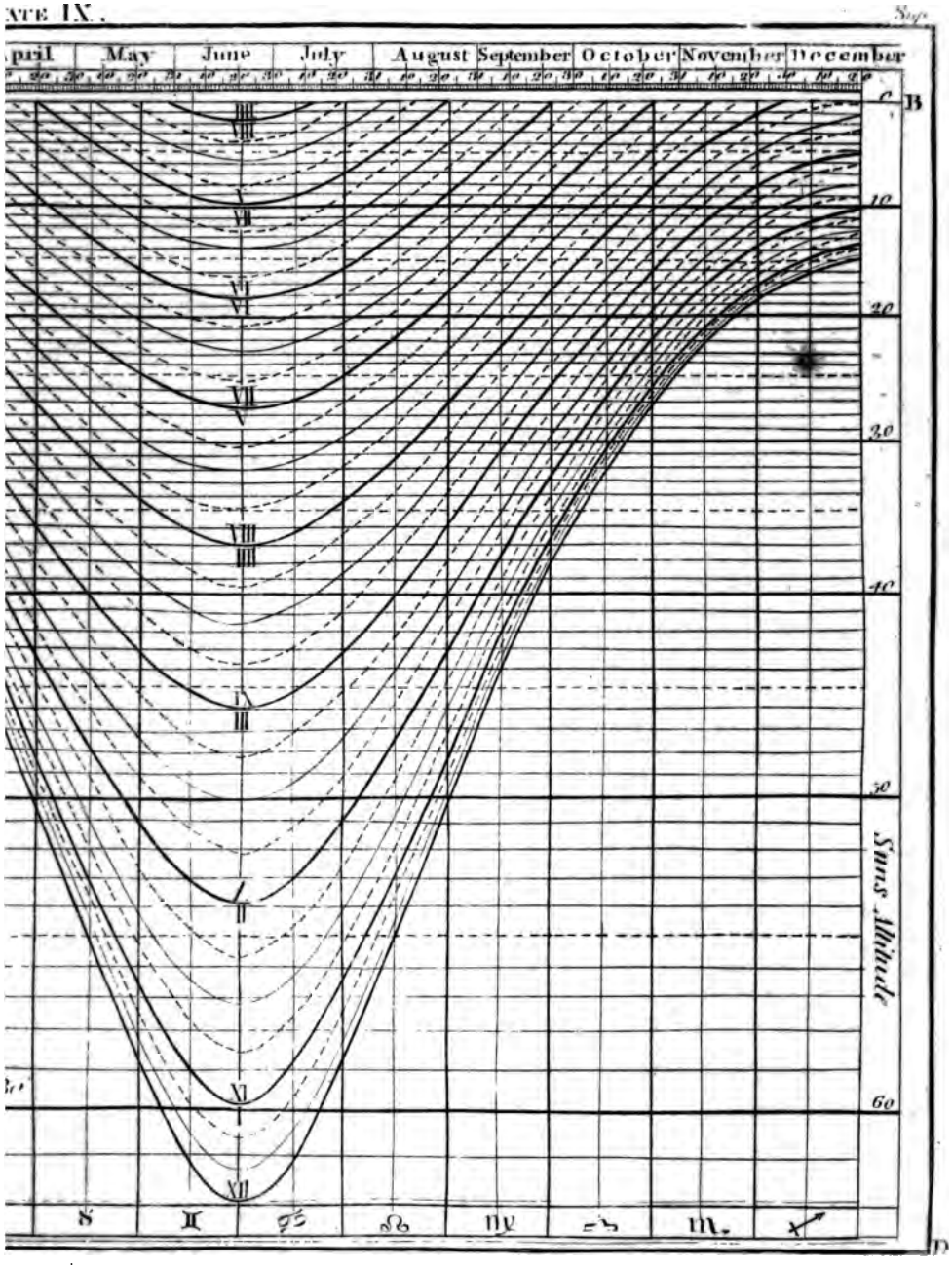
April
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October
November
December
C
B
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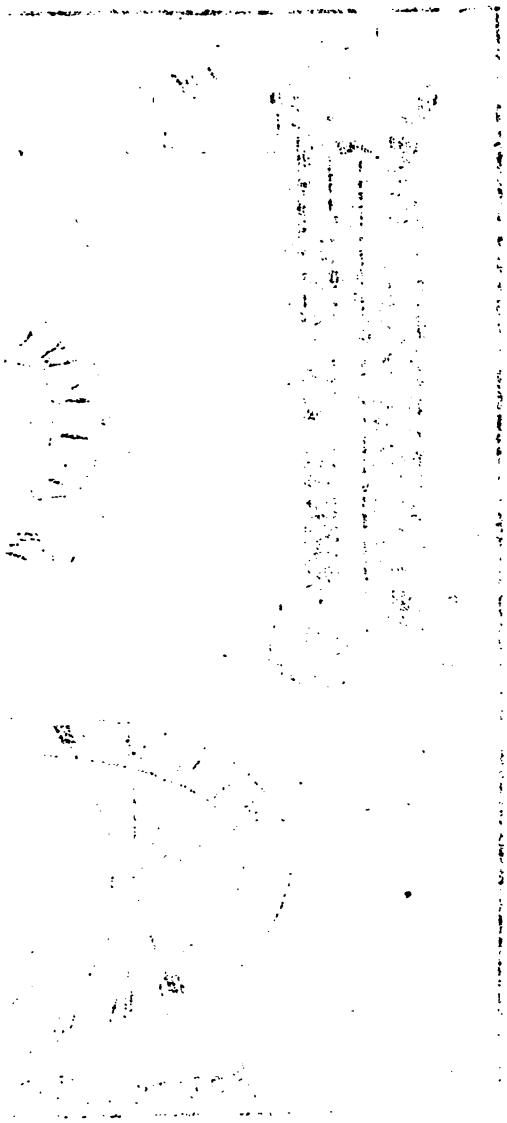
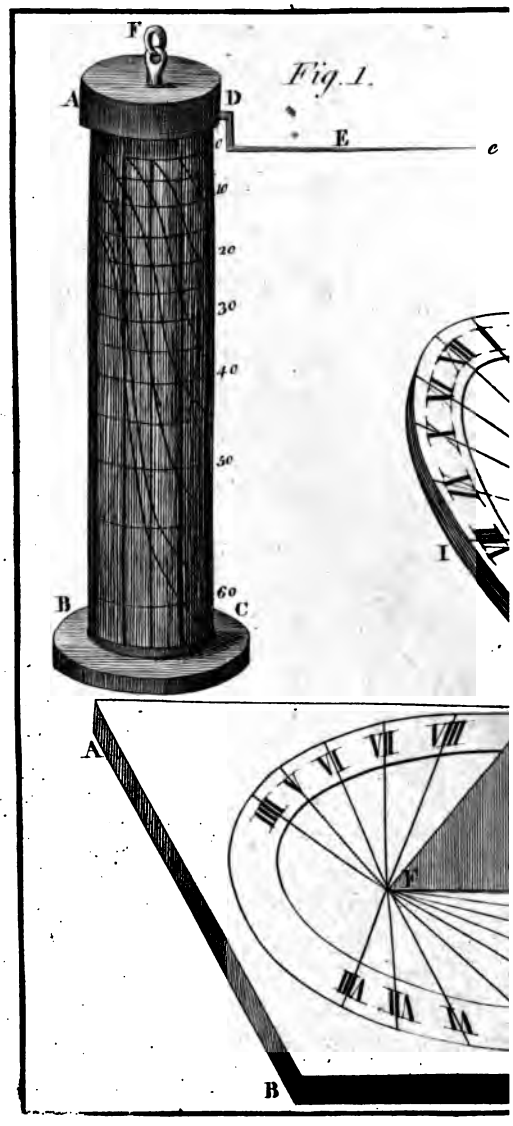
Suns Altitude
D




F
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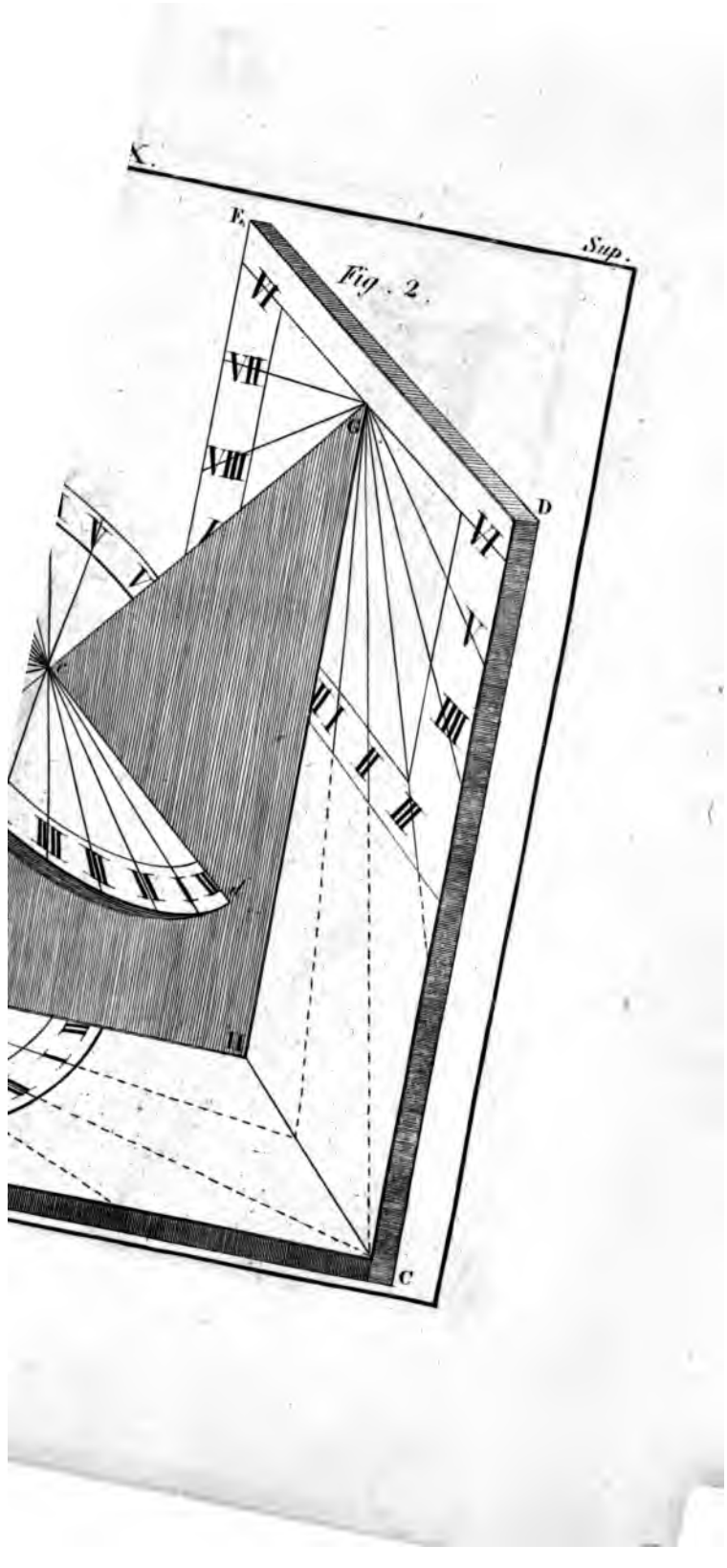
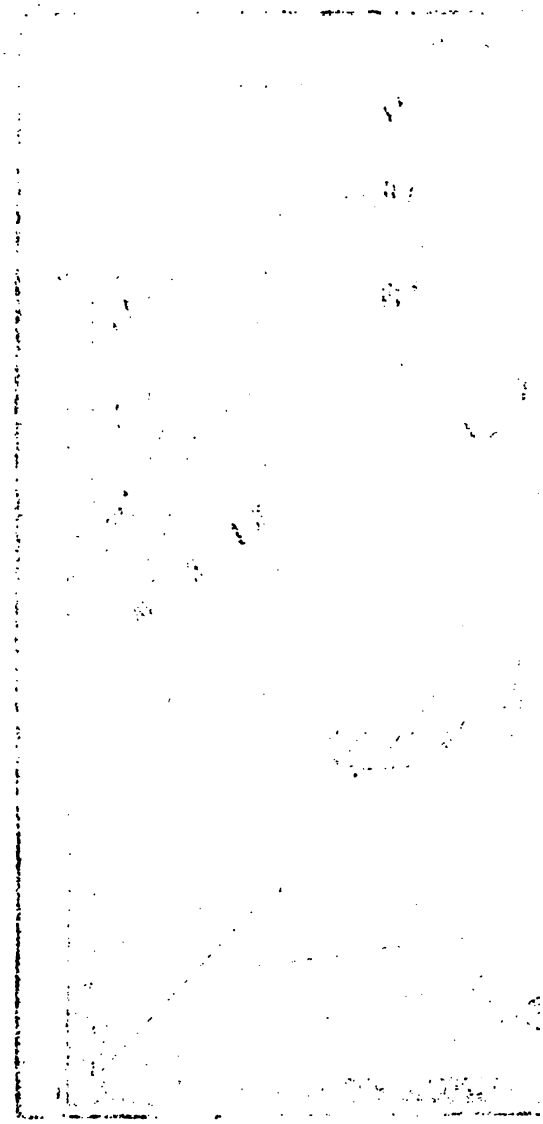
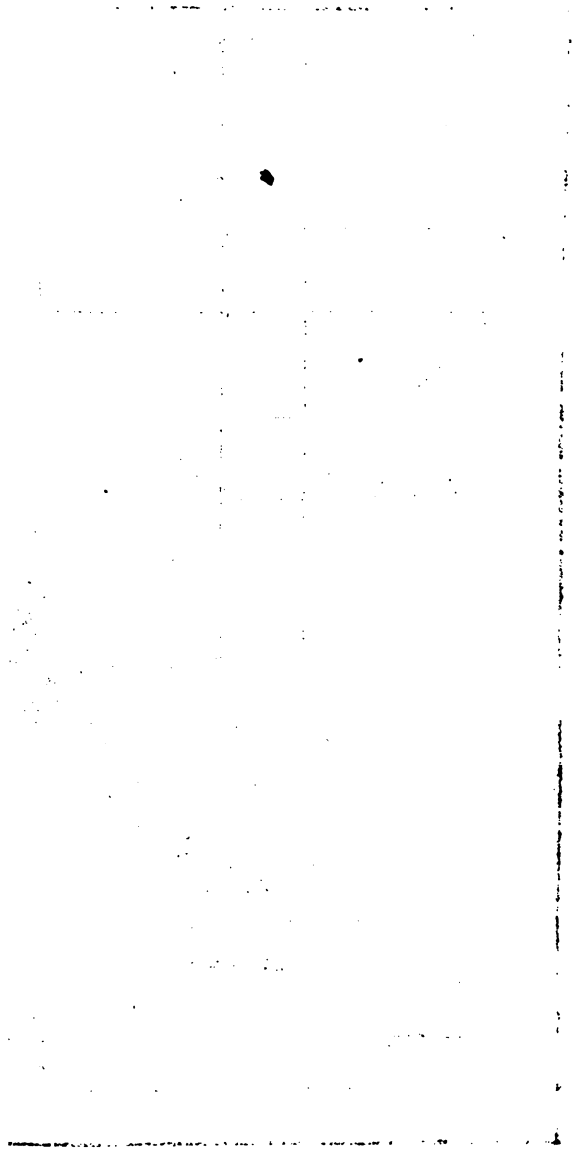

K.
F.
Sup.
Fig. 2.
G
D
C





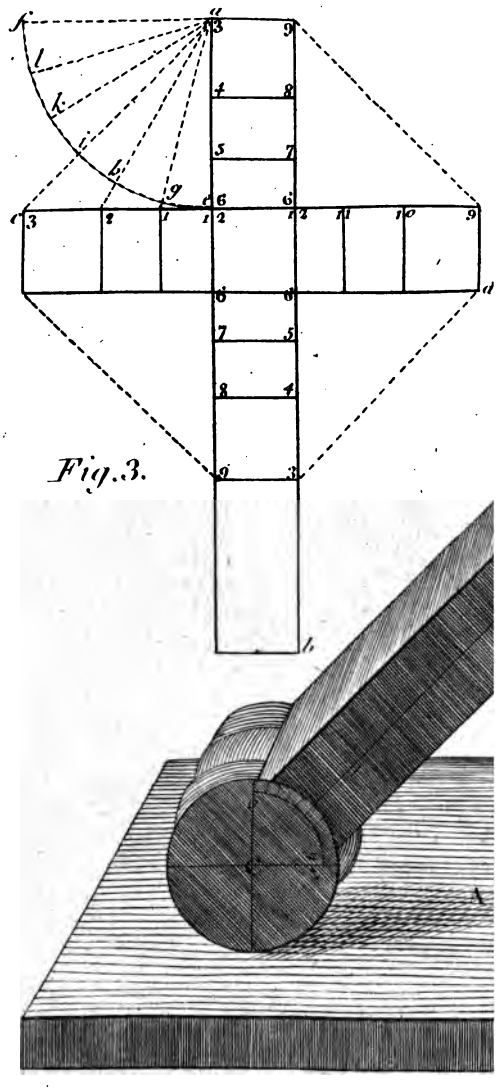


Fig. 3.

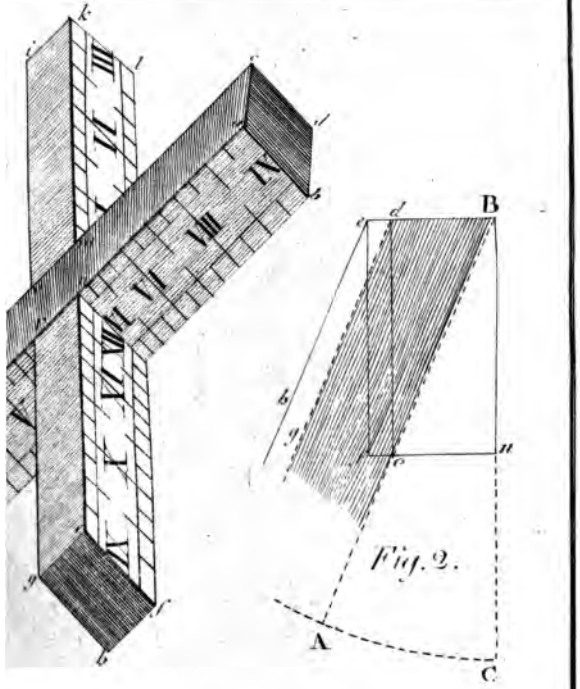
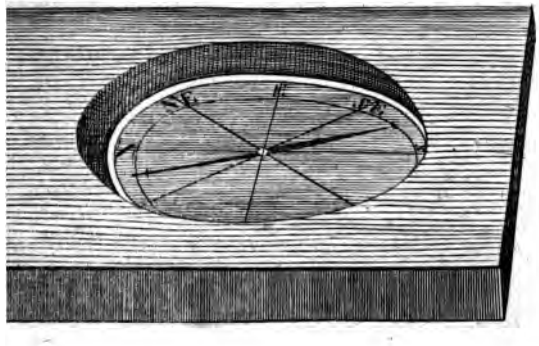
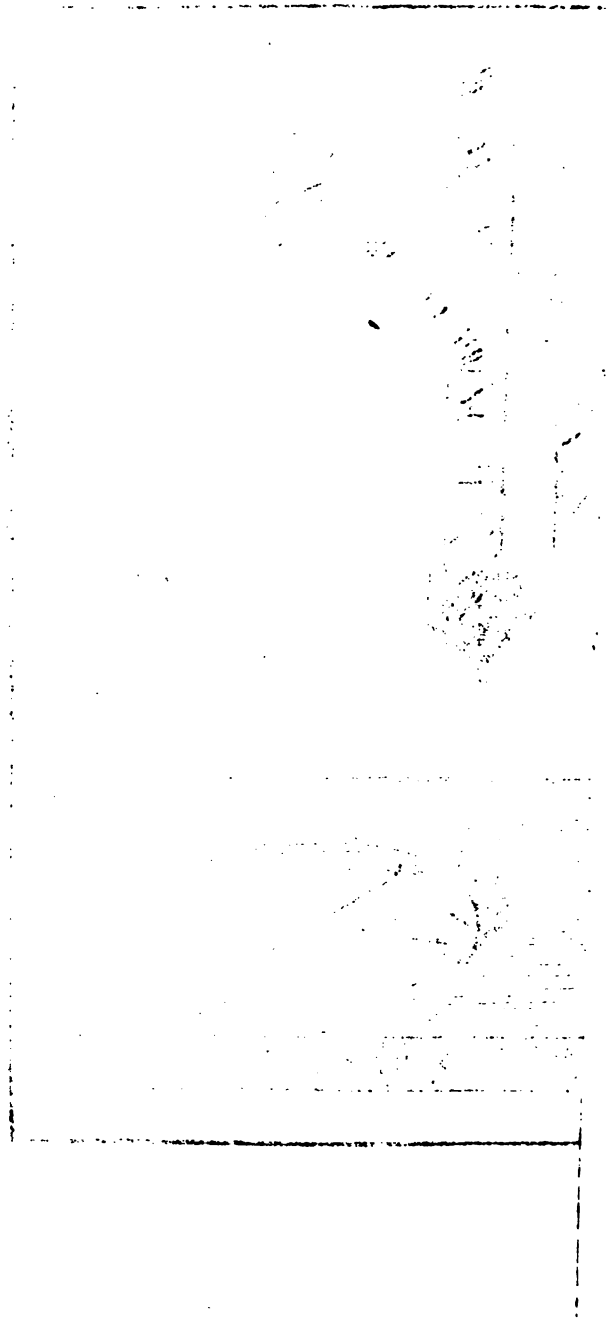
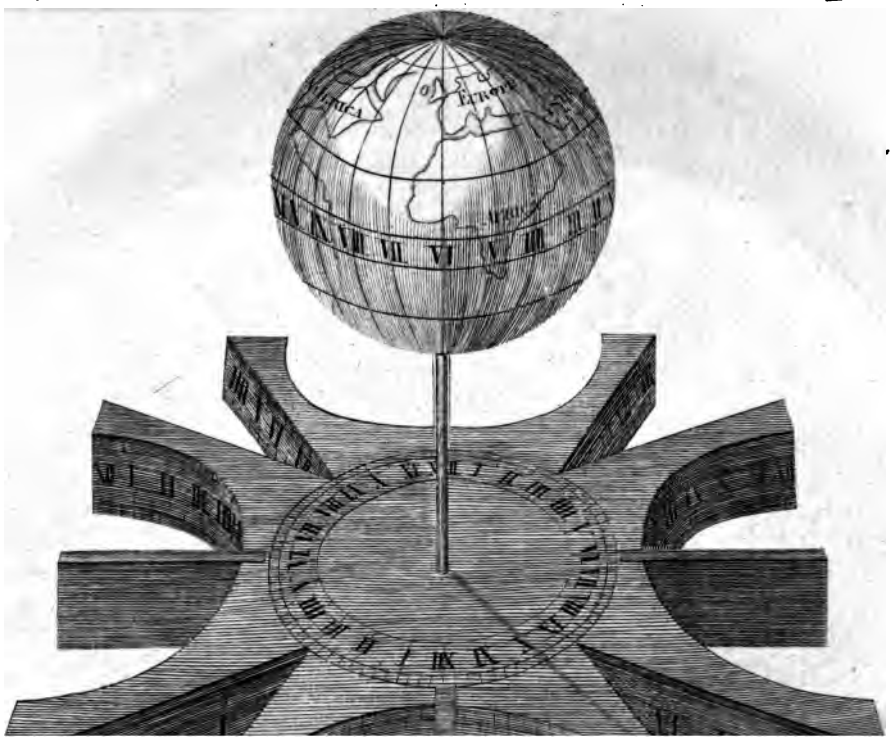
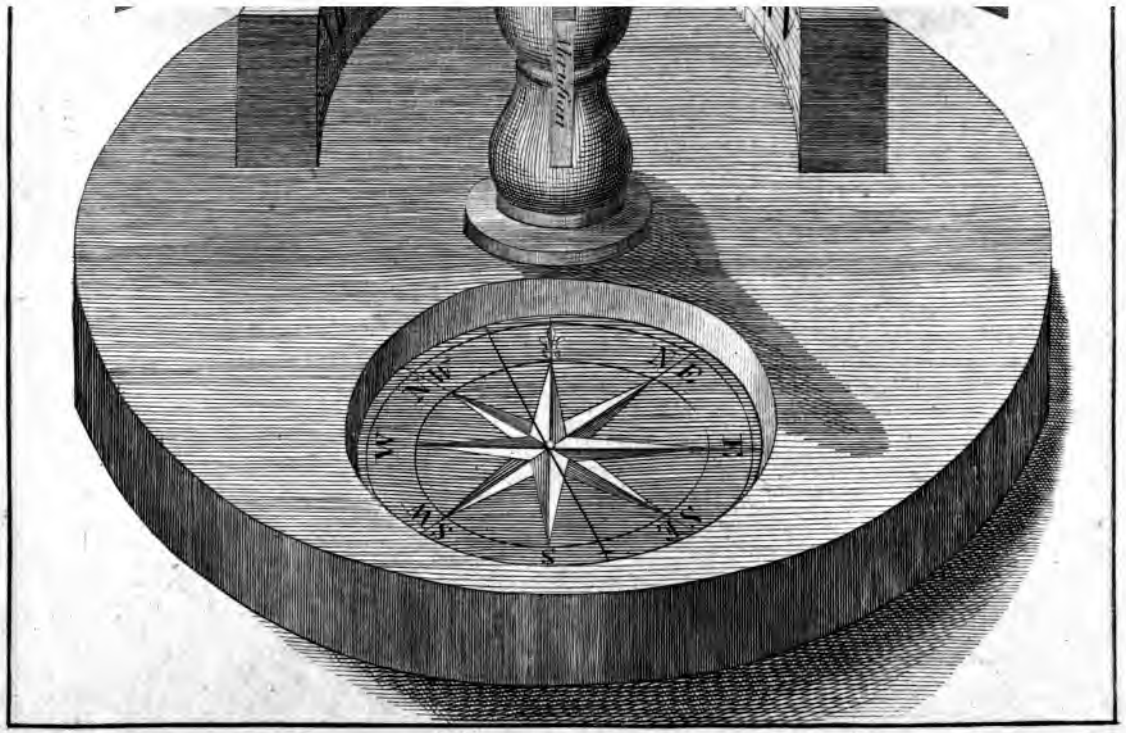


Fig. 2.








Barometer
N
NE
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SE
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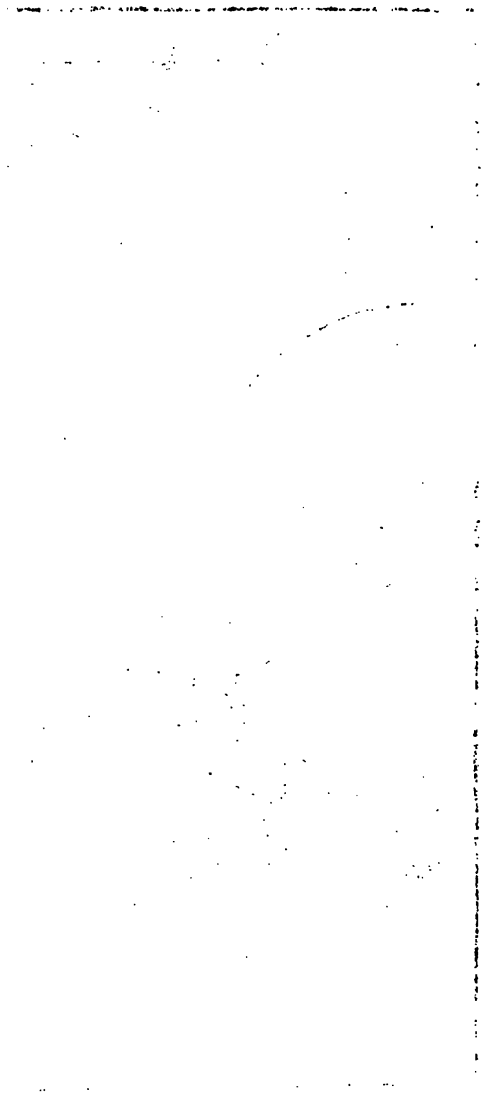

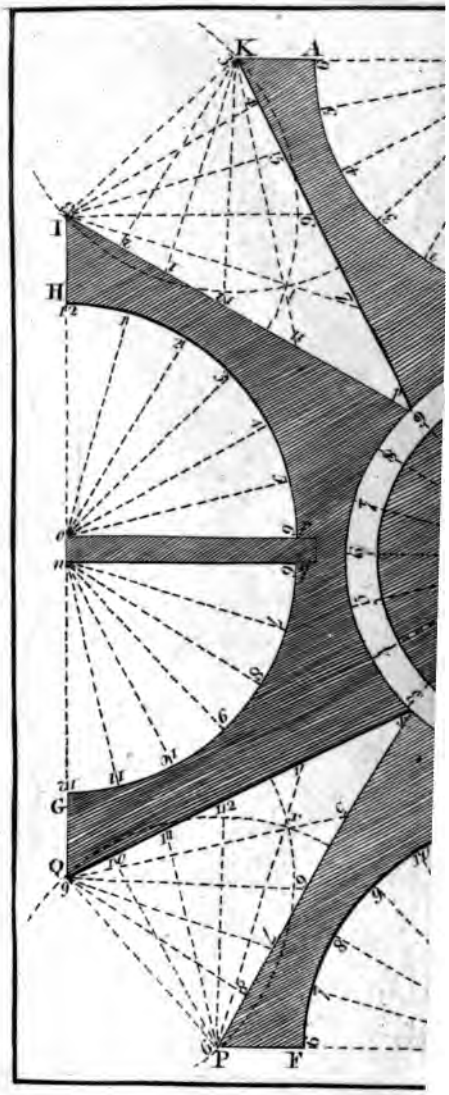
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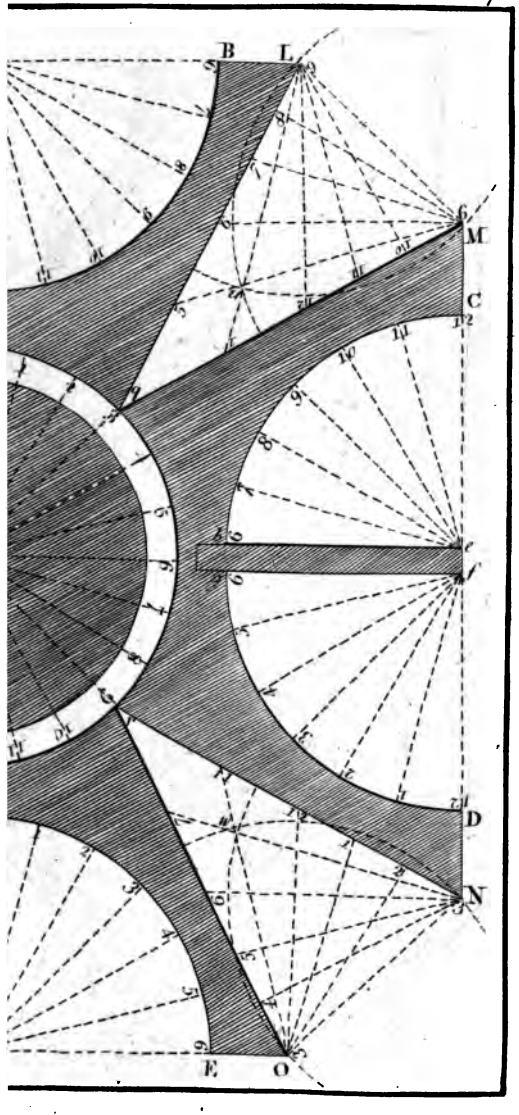
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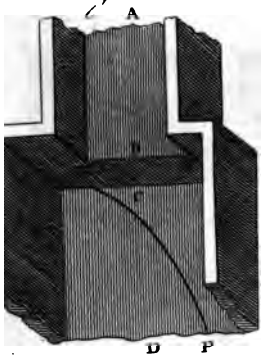
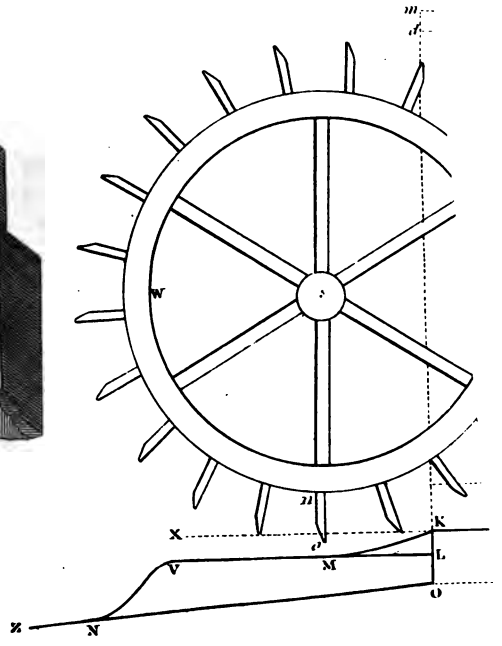
Fig. 2.





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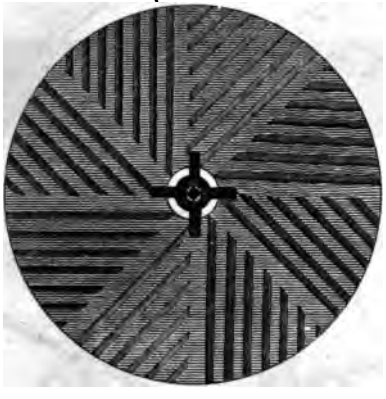

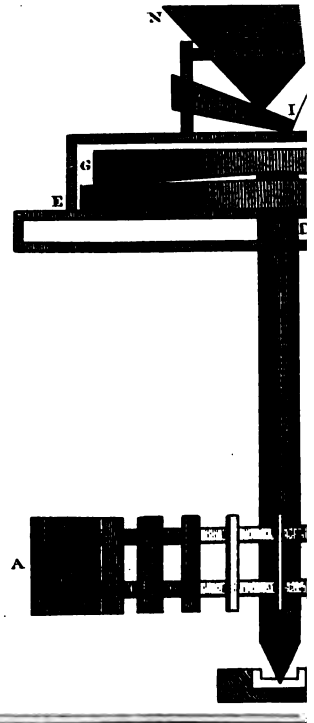

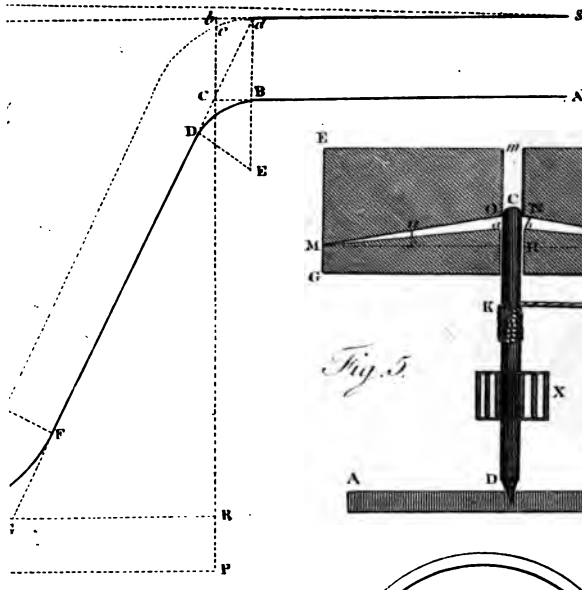

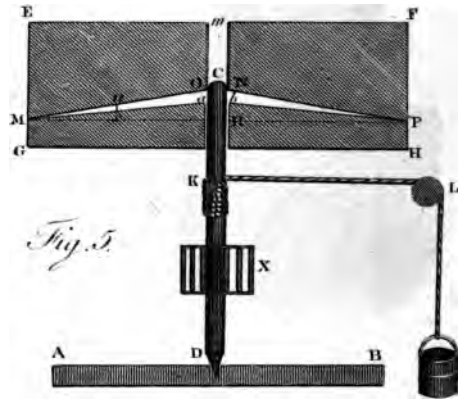

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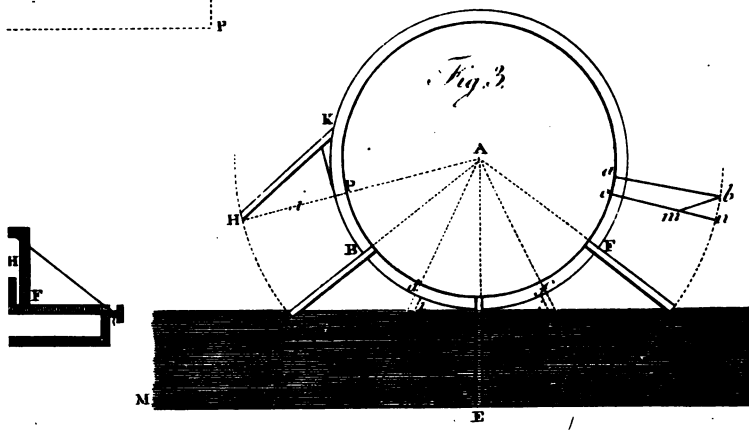

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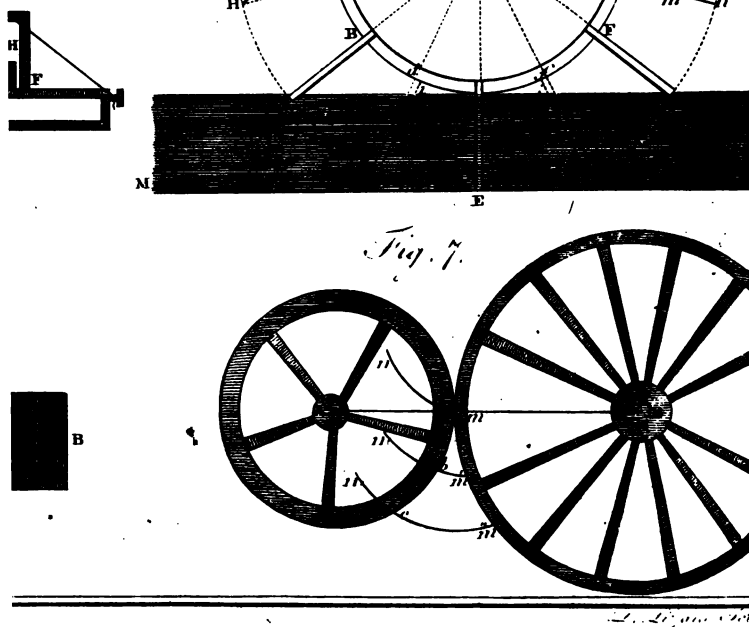

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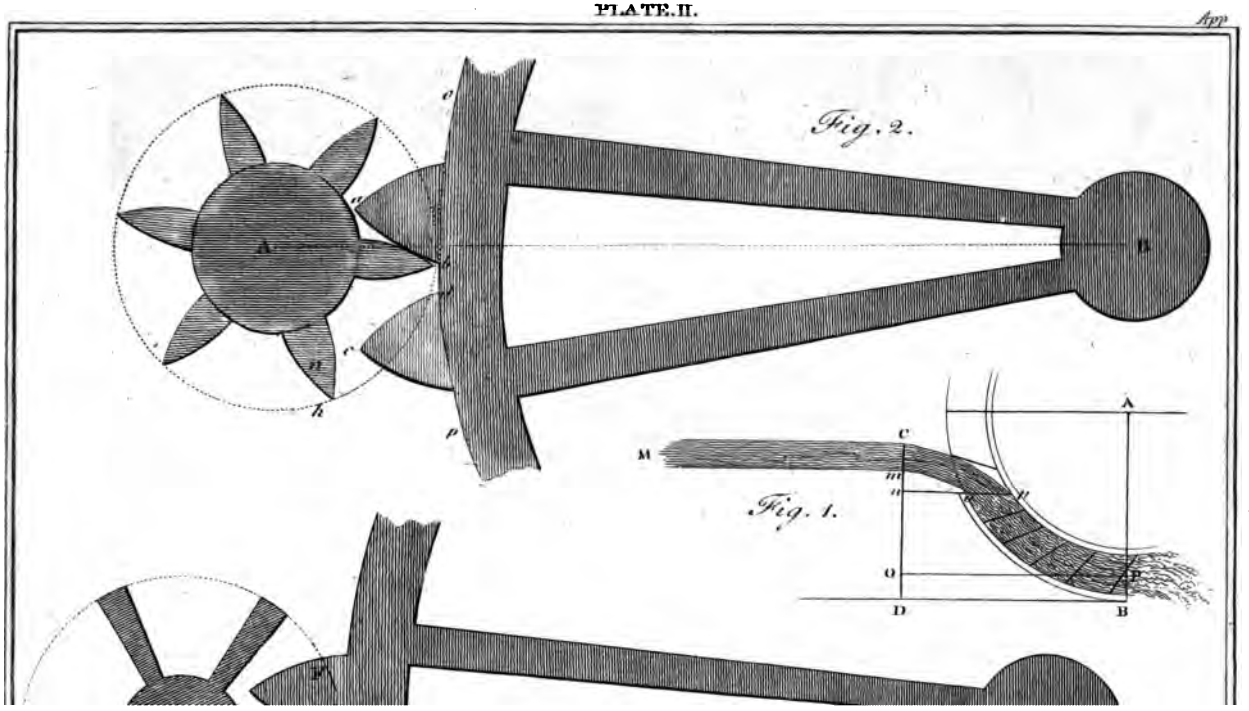
Fig. 2.
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Fig. 1.

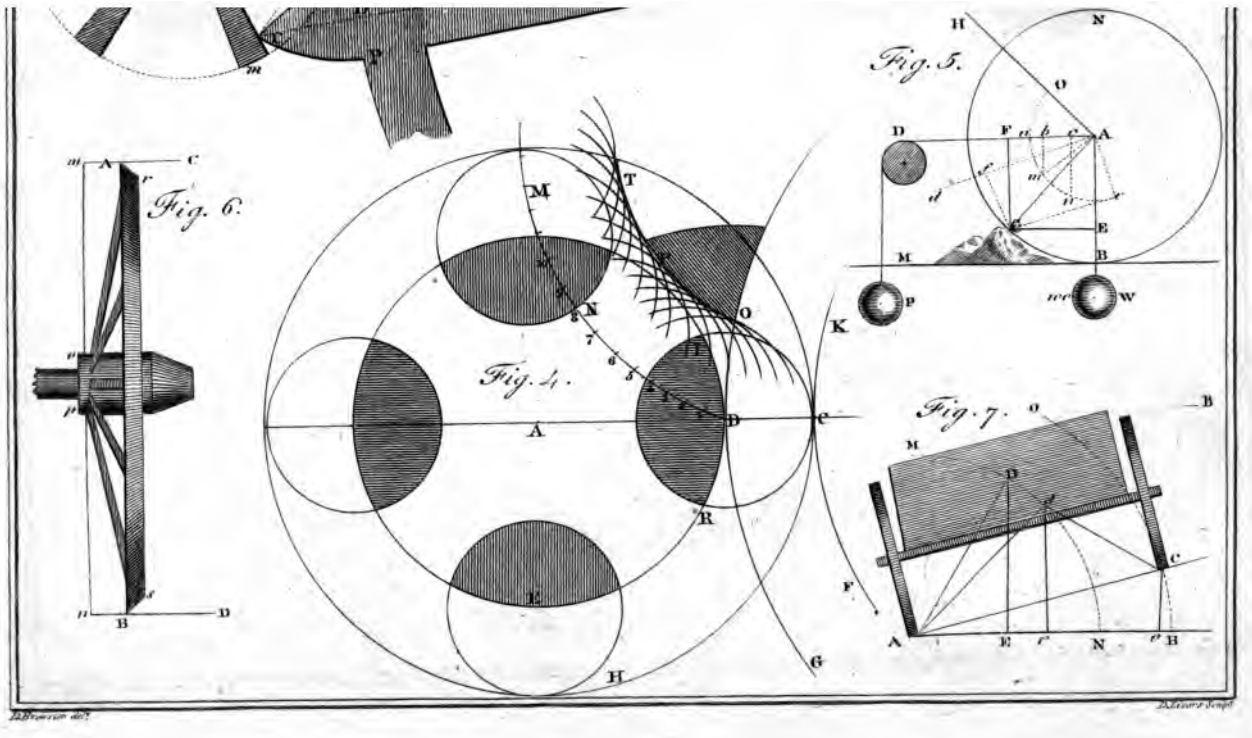
Fig. 6.
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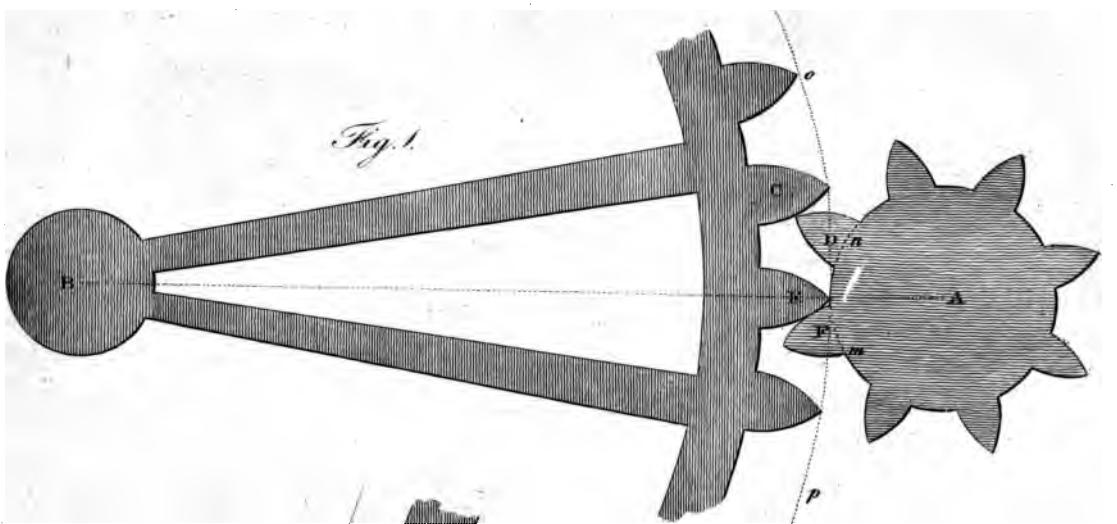

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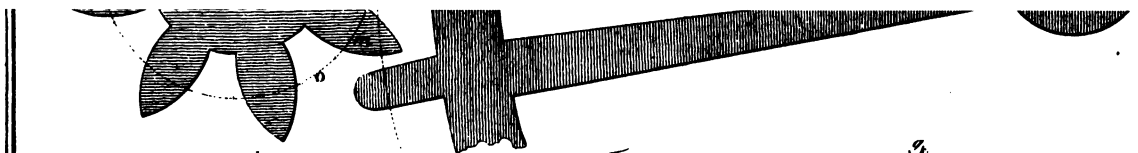

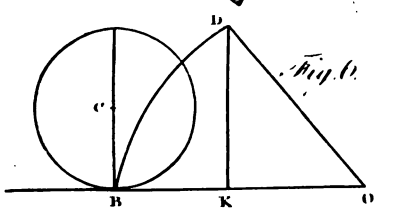

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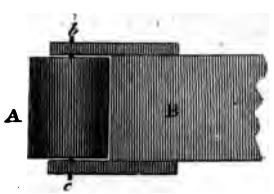

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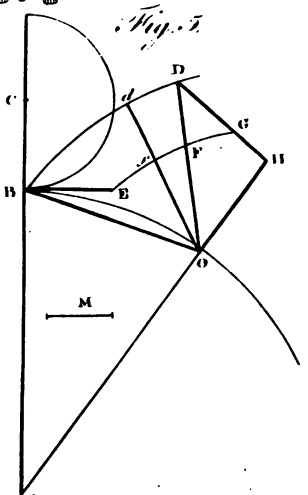

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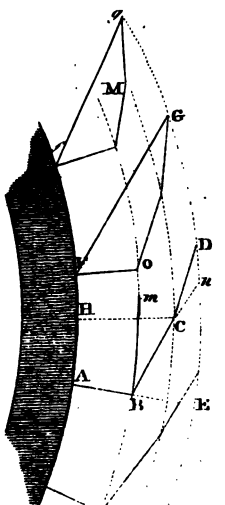

Fig. 4.

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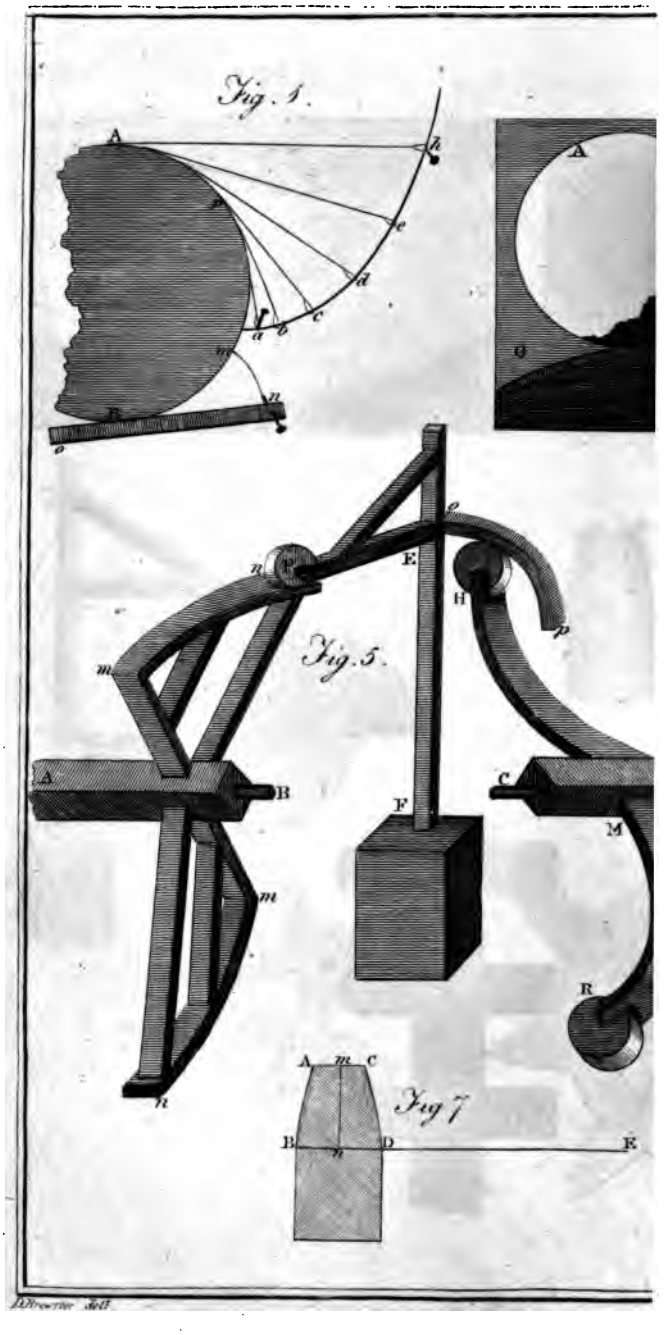
Fig. 4.
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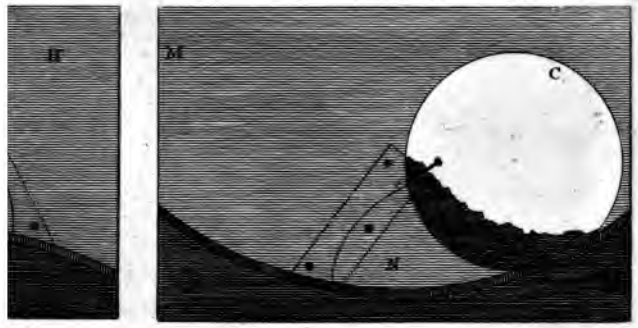
Fig. 3.



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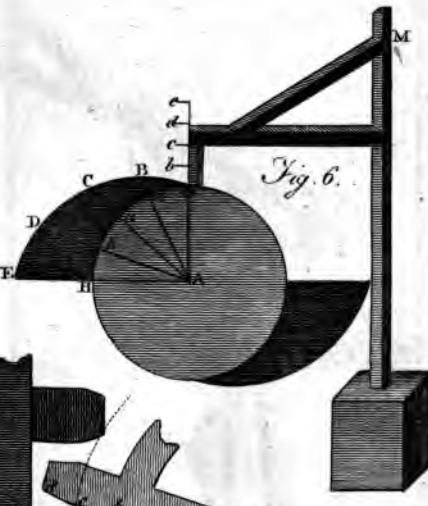

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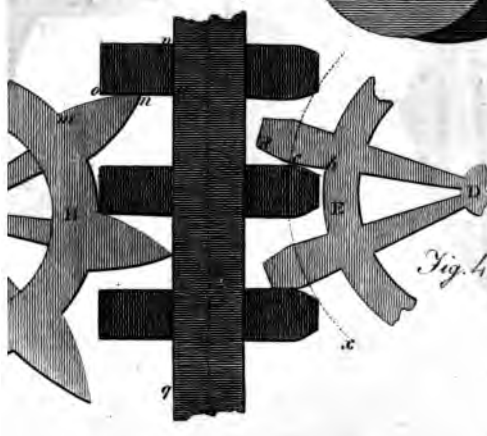

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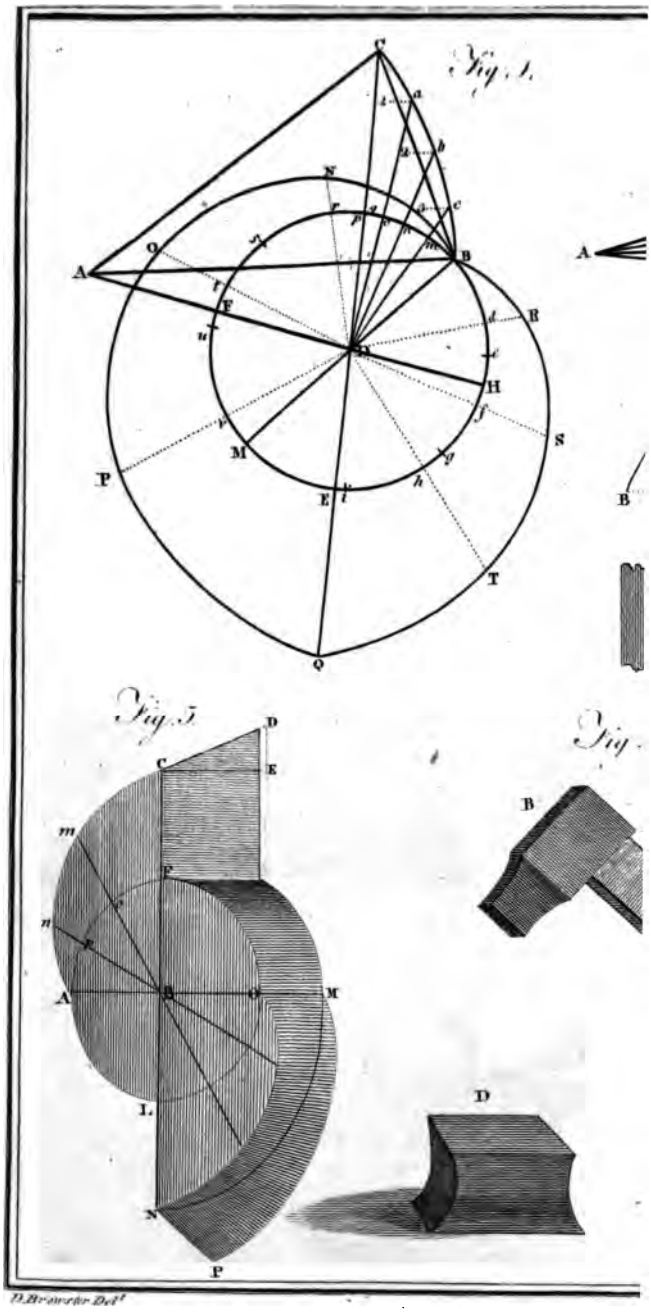
Fig. 1.
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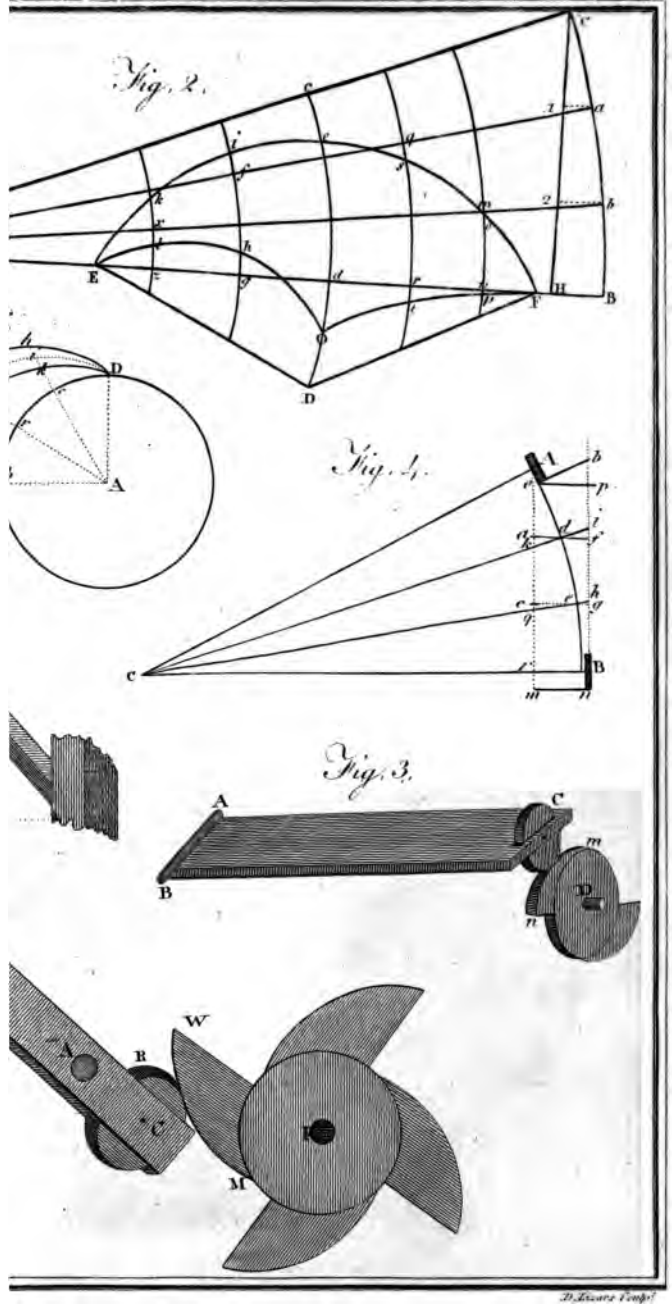
Fig. 2.
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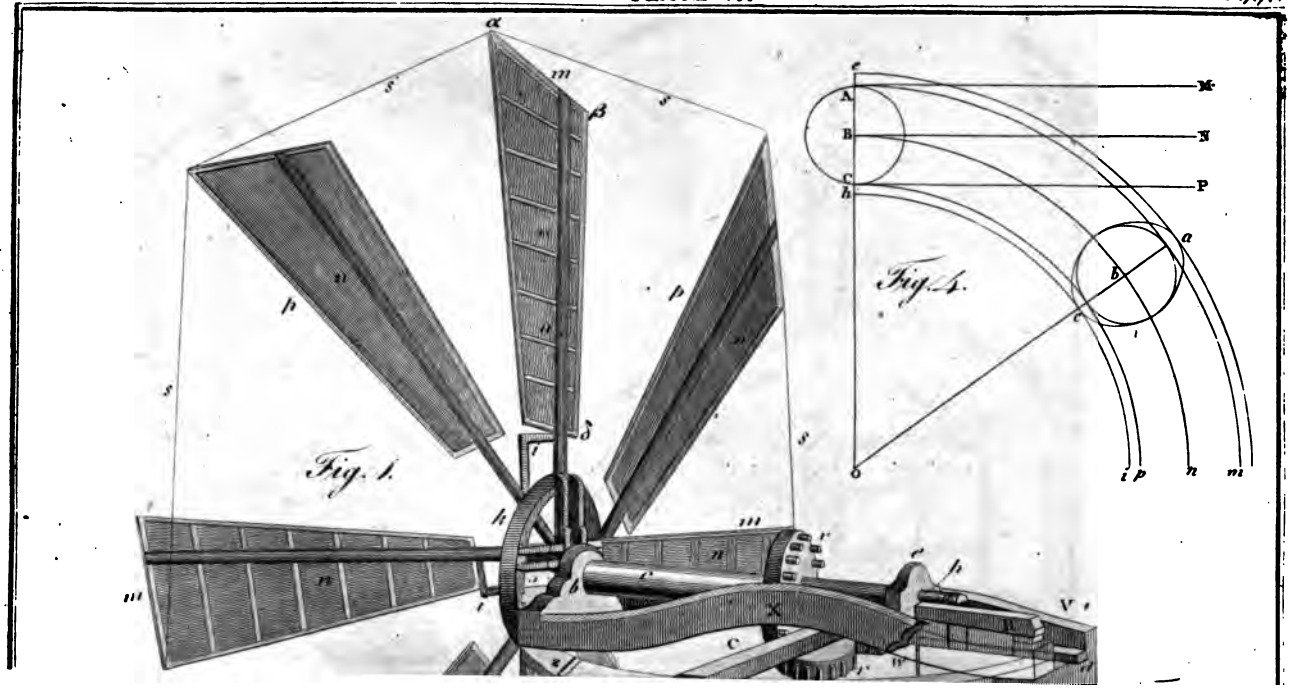
PLATE VI.



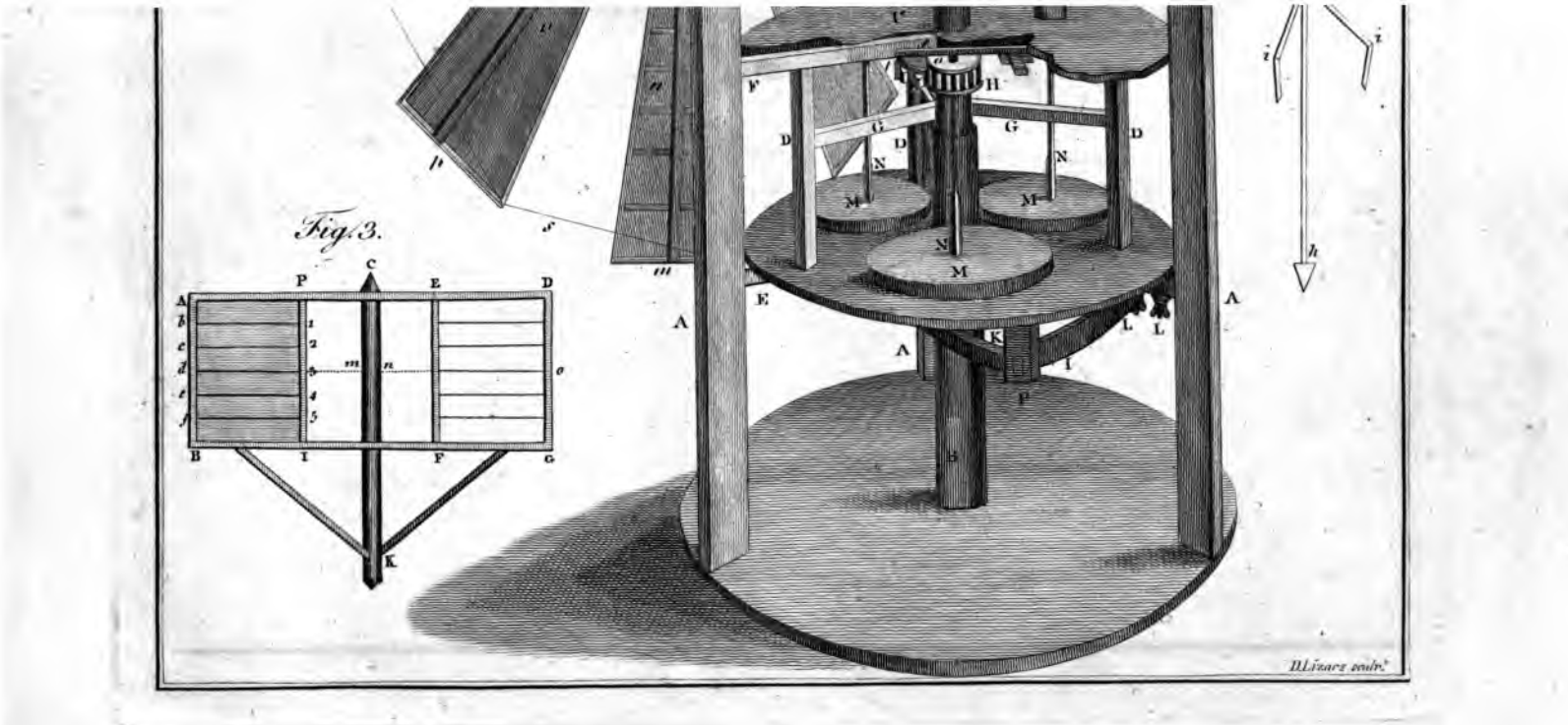


Fig. 3.
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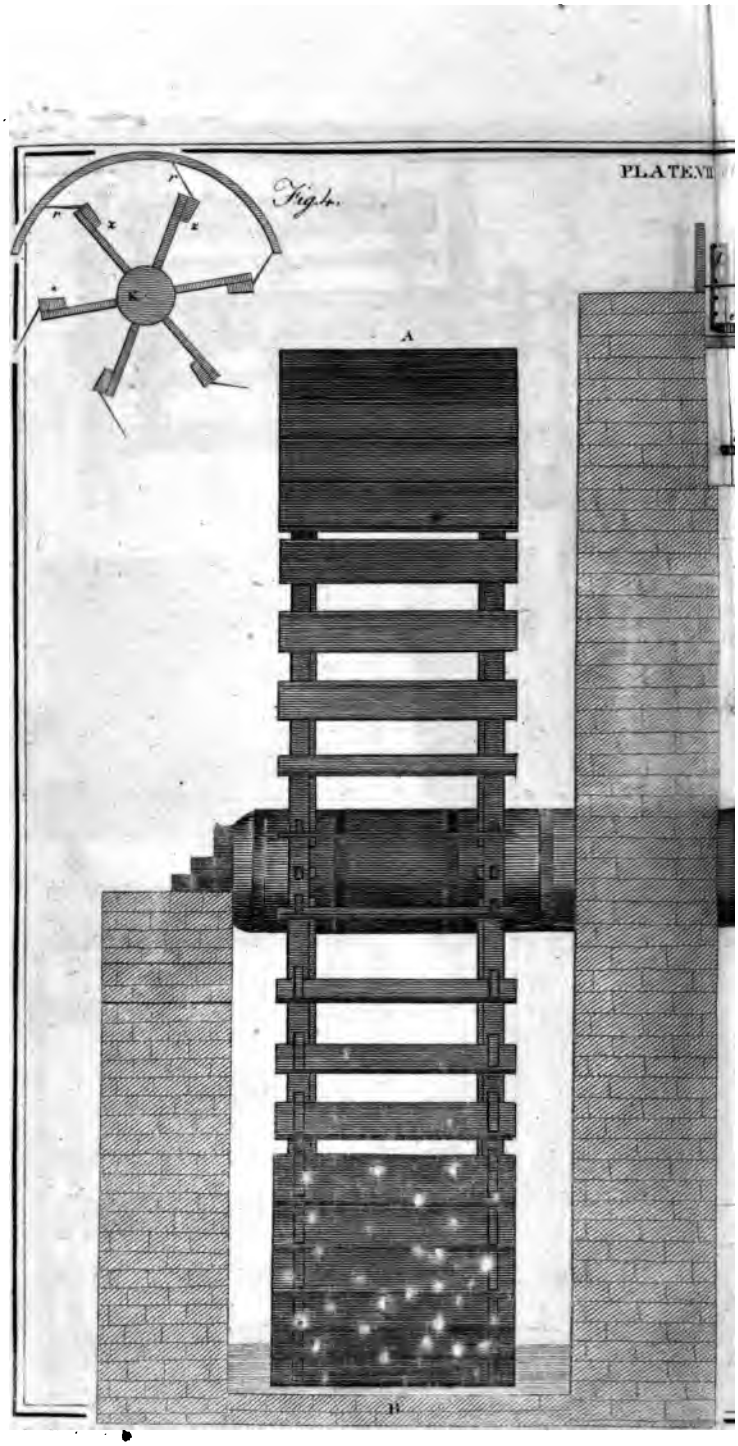
PLATE VI
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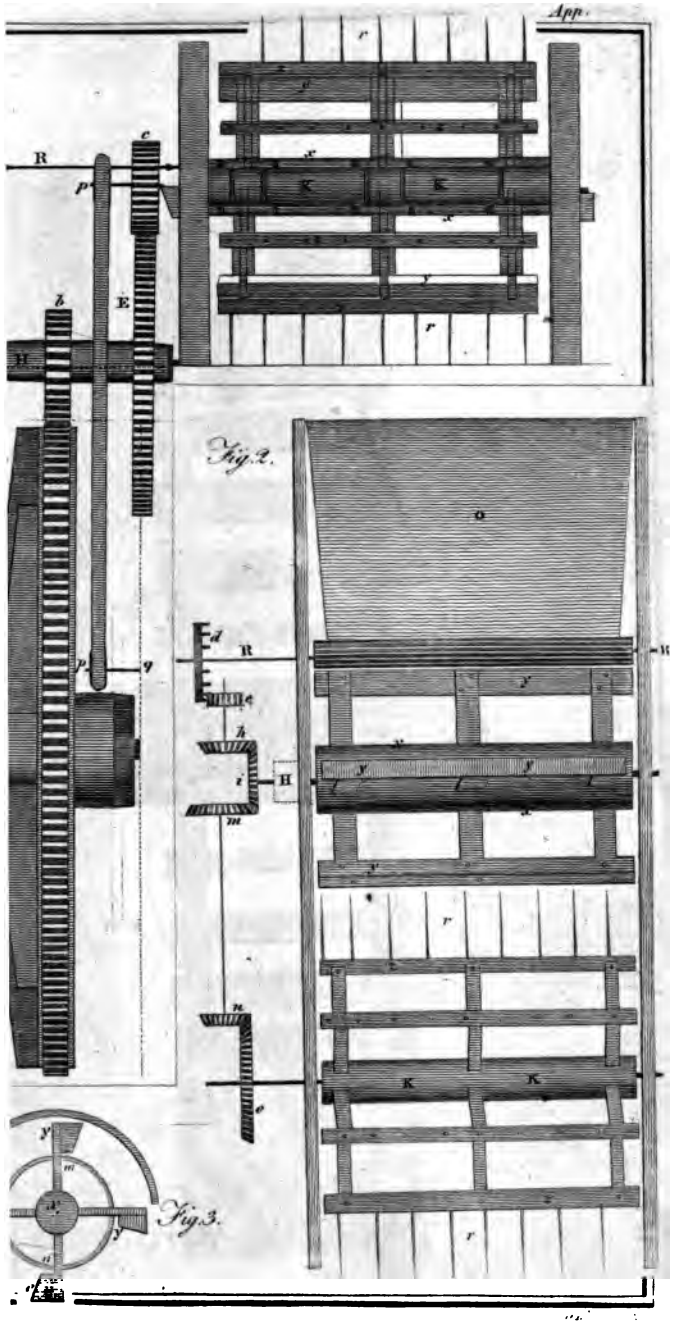
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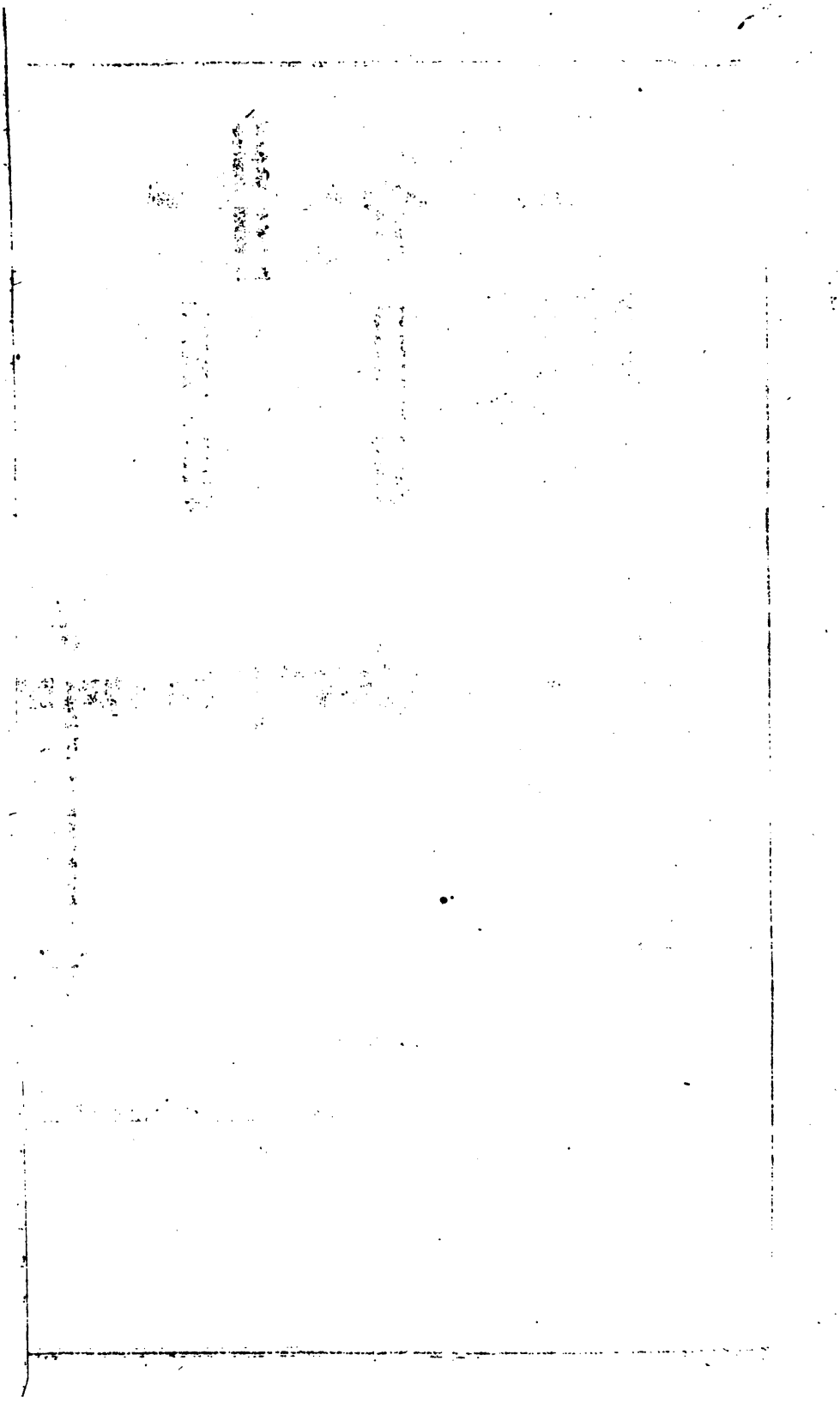

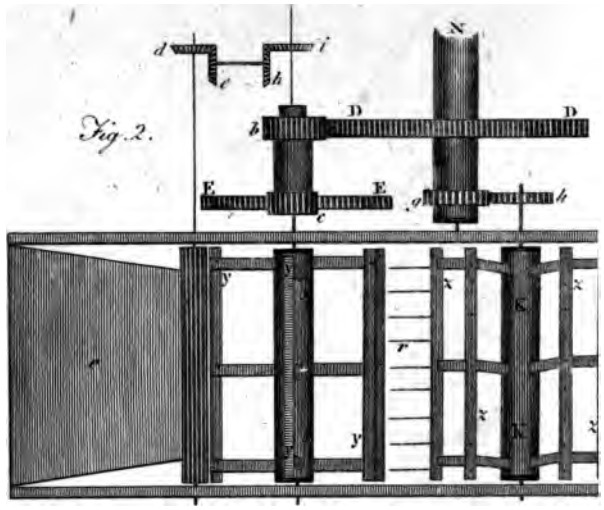
Fig. 2.
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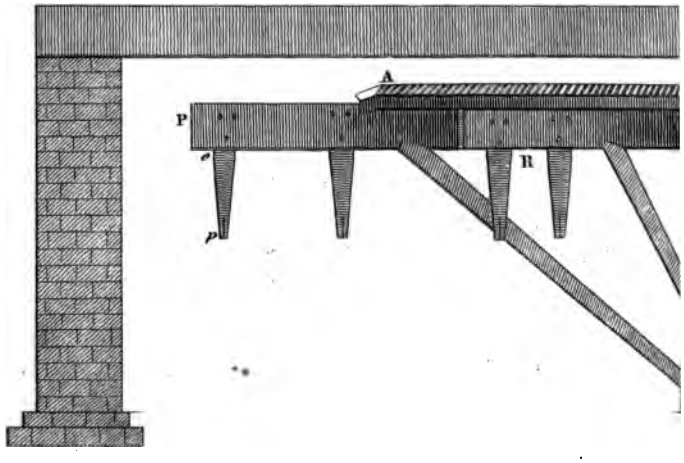
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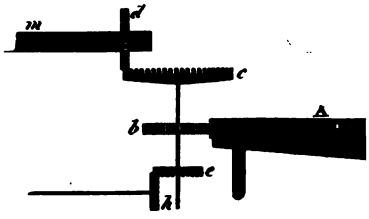
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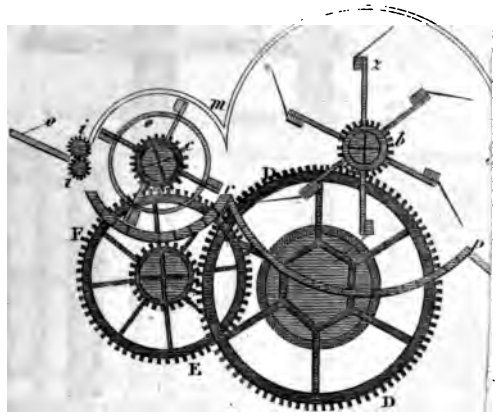

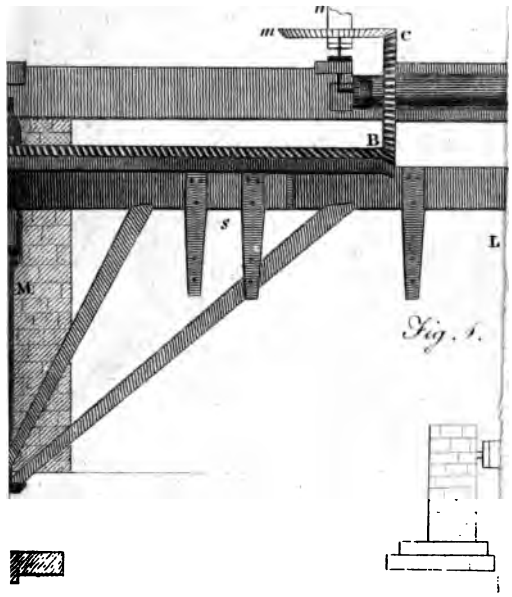

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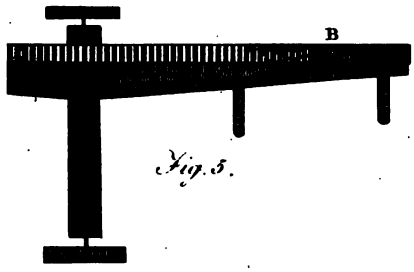

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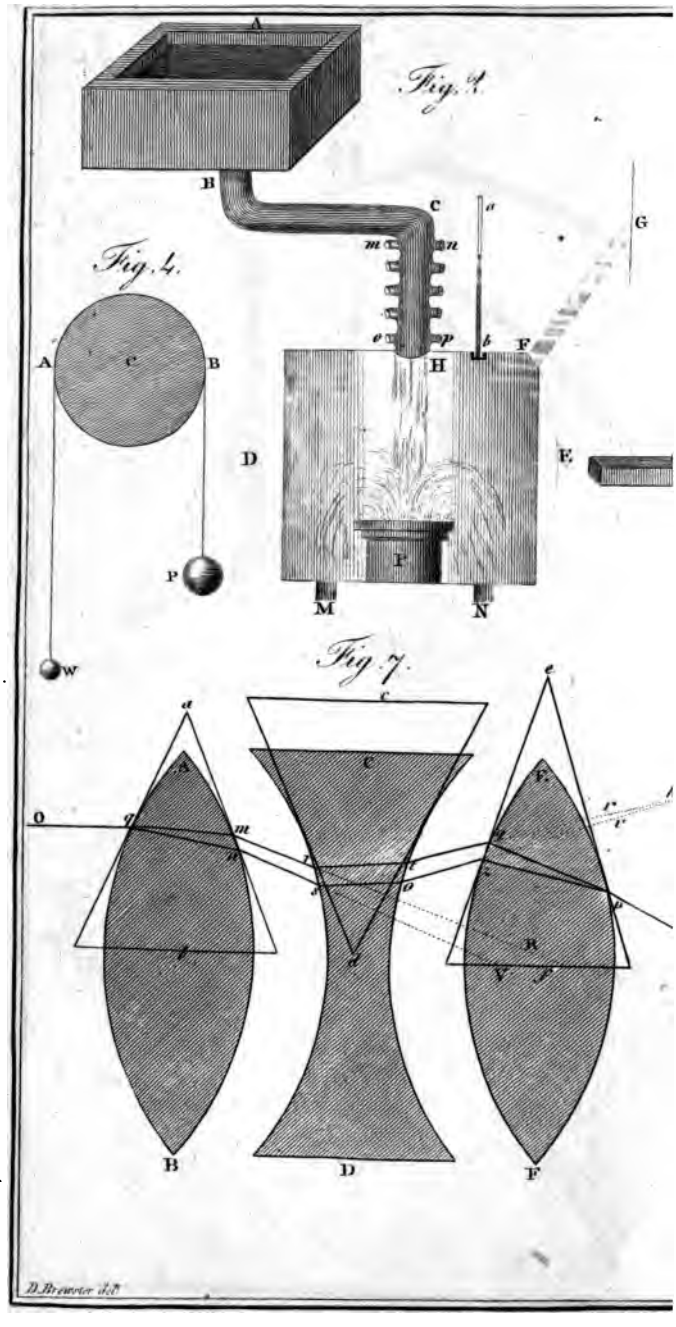
Fig. 3.
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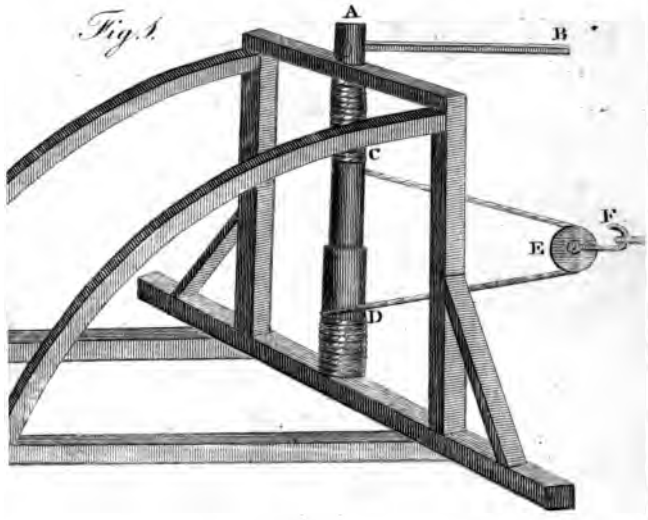
IX.

Fig. 1.



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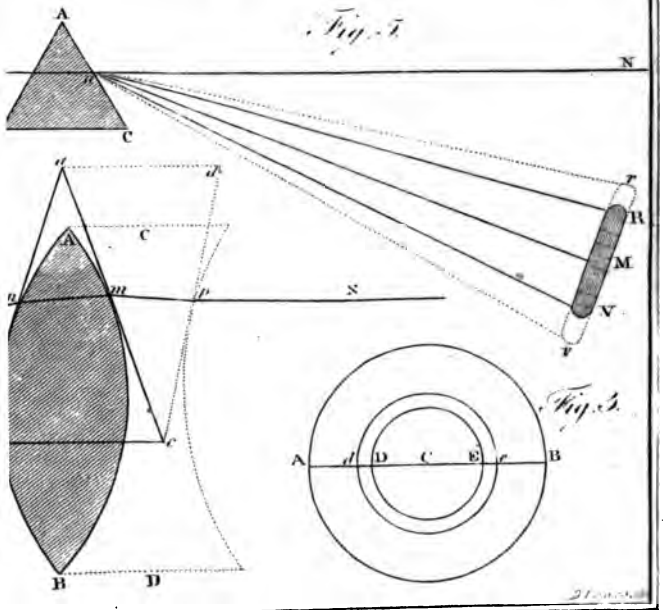

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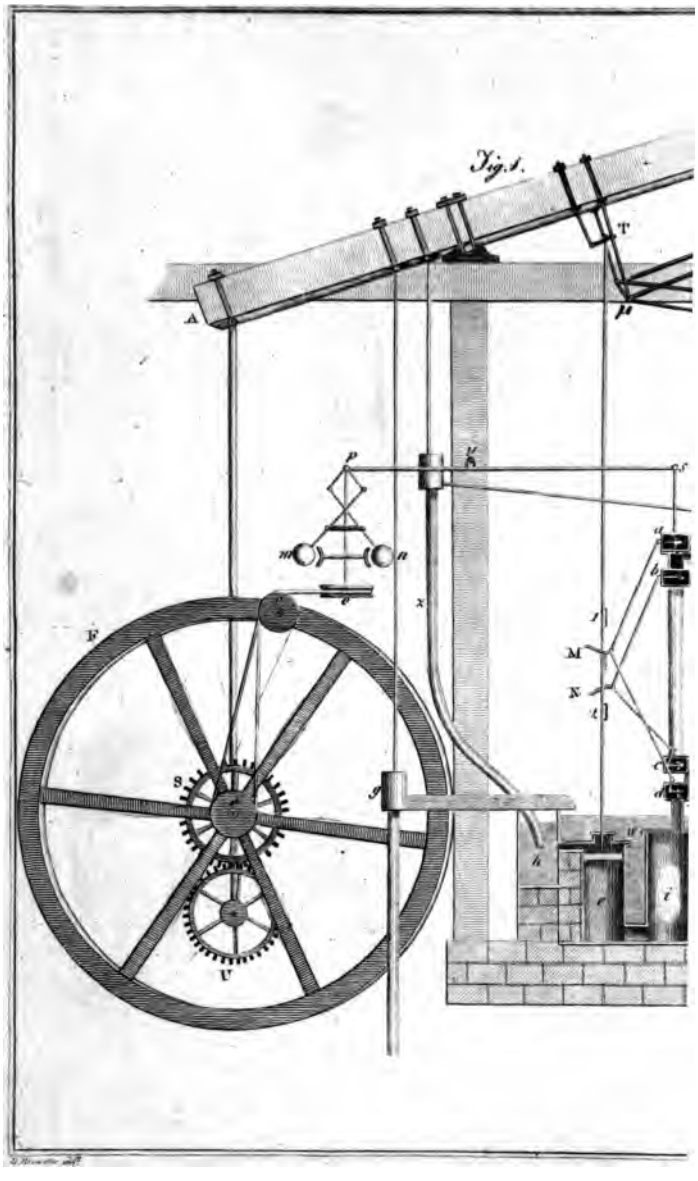
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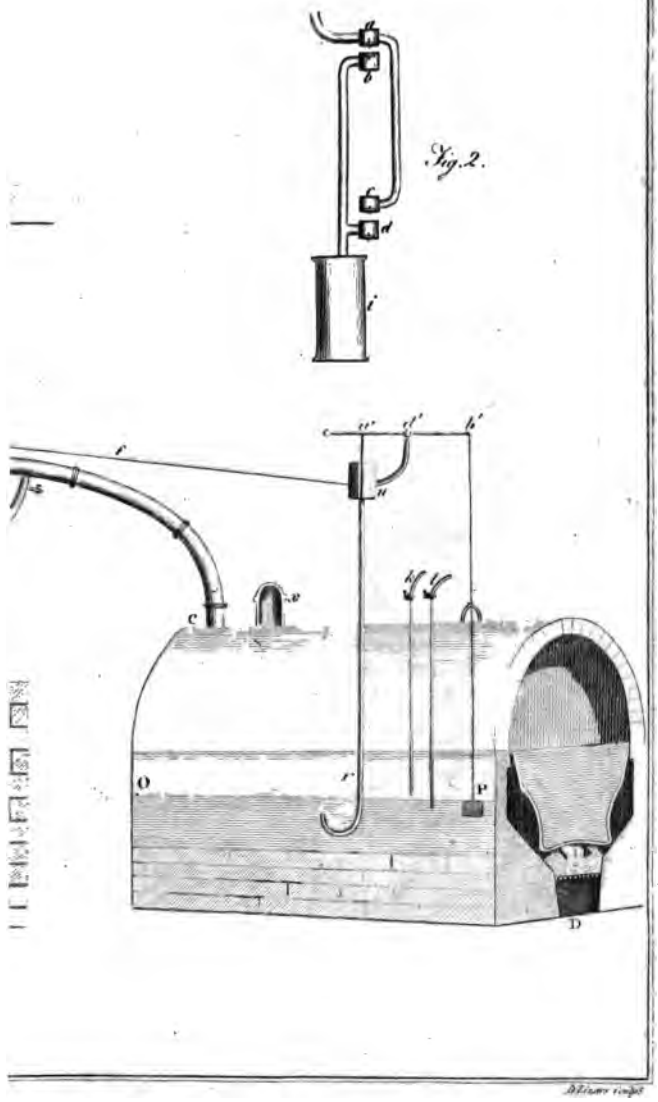
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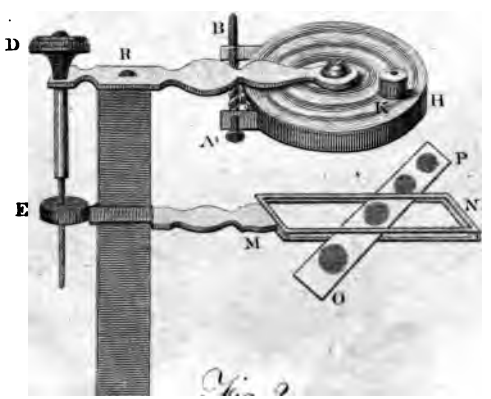
A New Fluid Microscope



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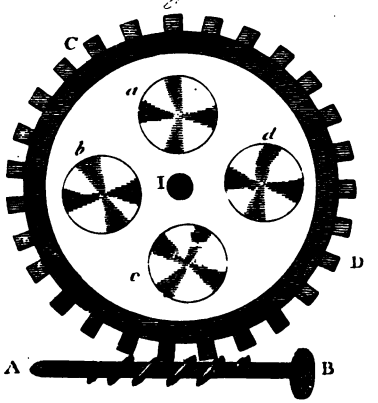

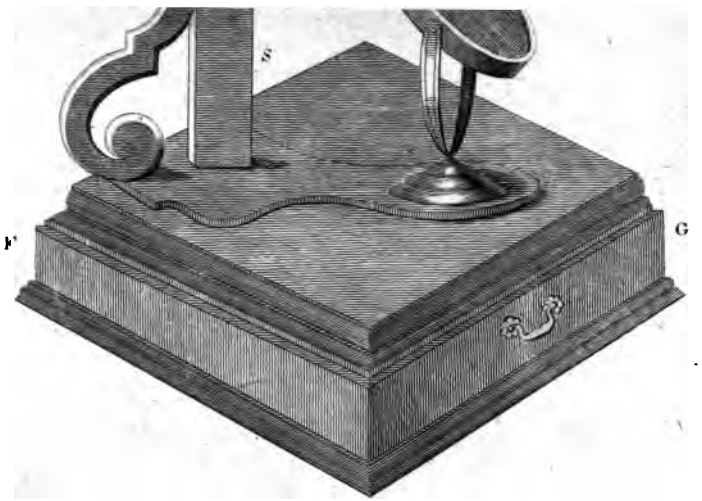

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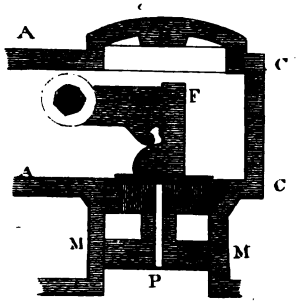

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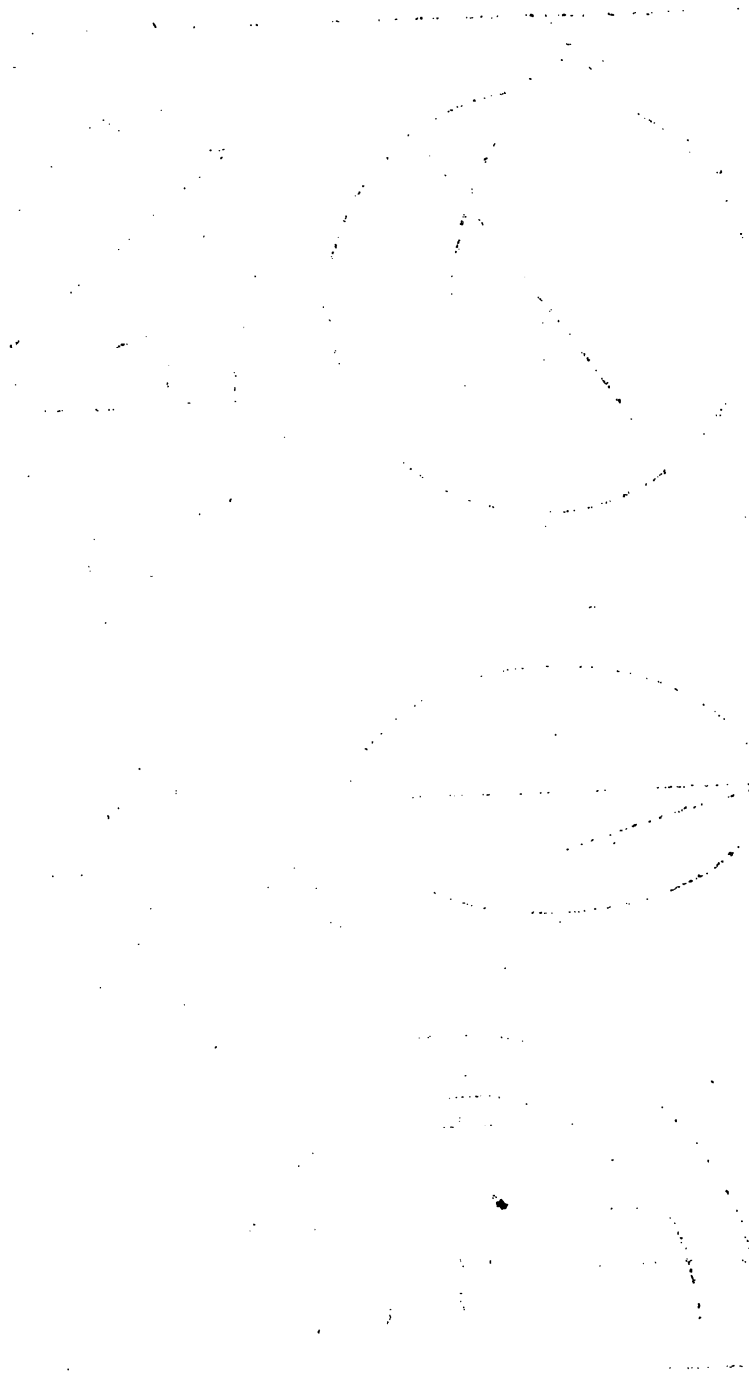

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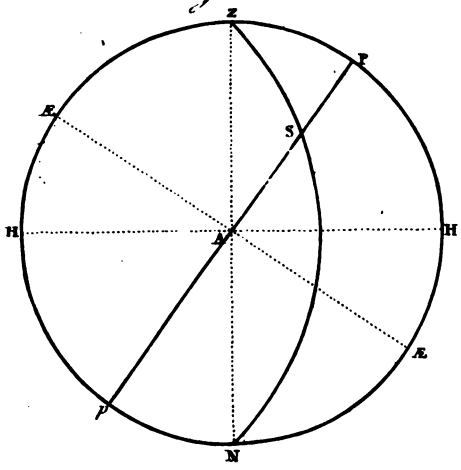

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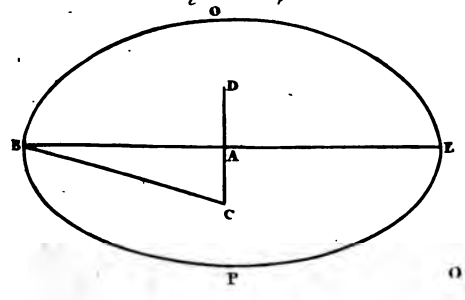

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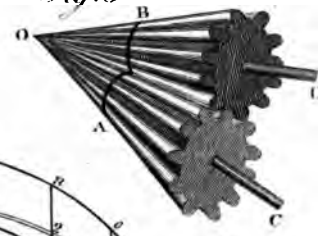

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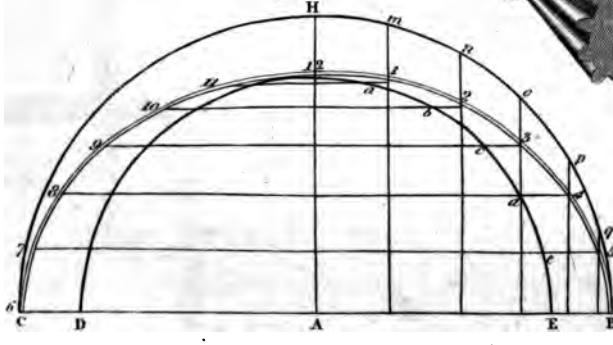


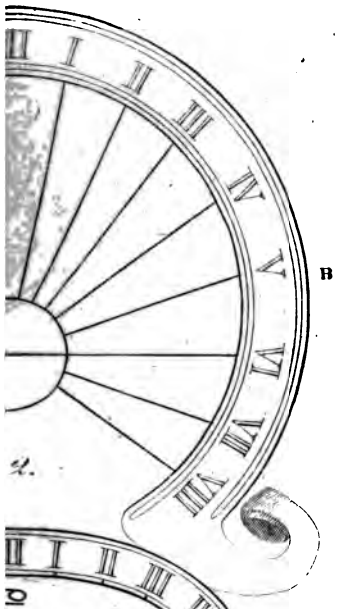


Fig. 1.

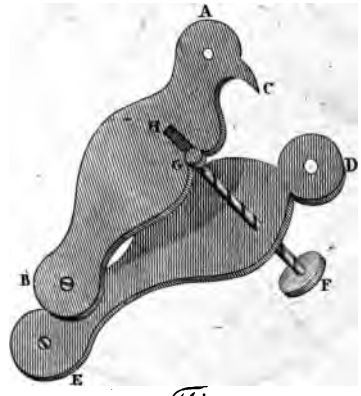
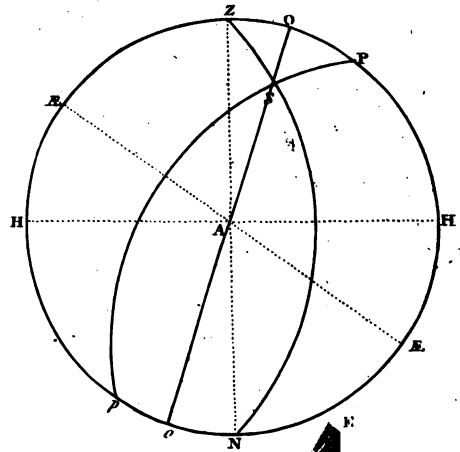
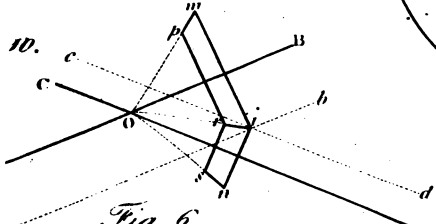


Fig. 7.





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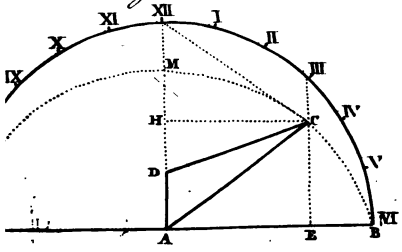

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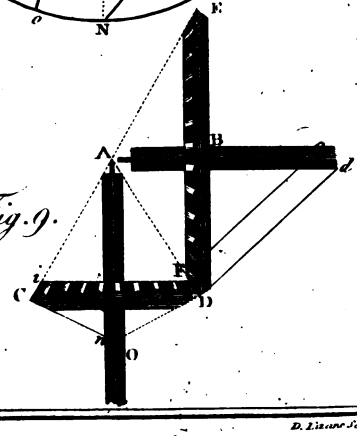


D. Lizars Sculp

Fig. 1.

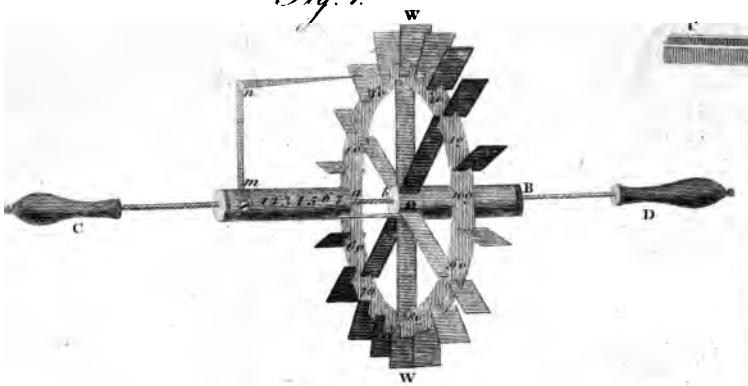


Fig. 2.

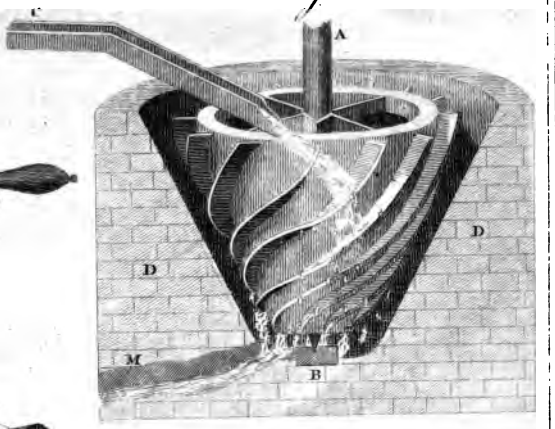


Fig. 3.

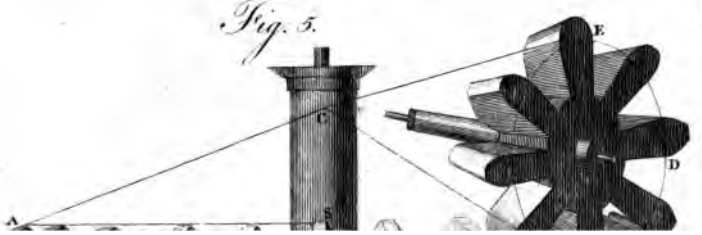
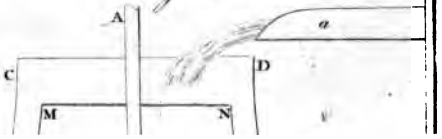


Fig. 4.



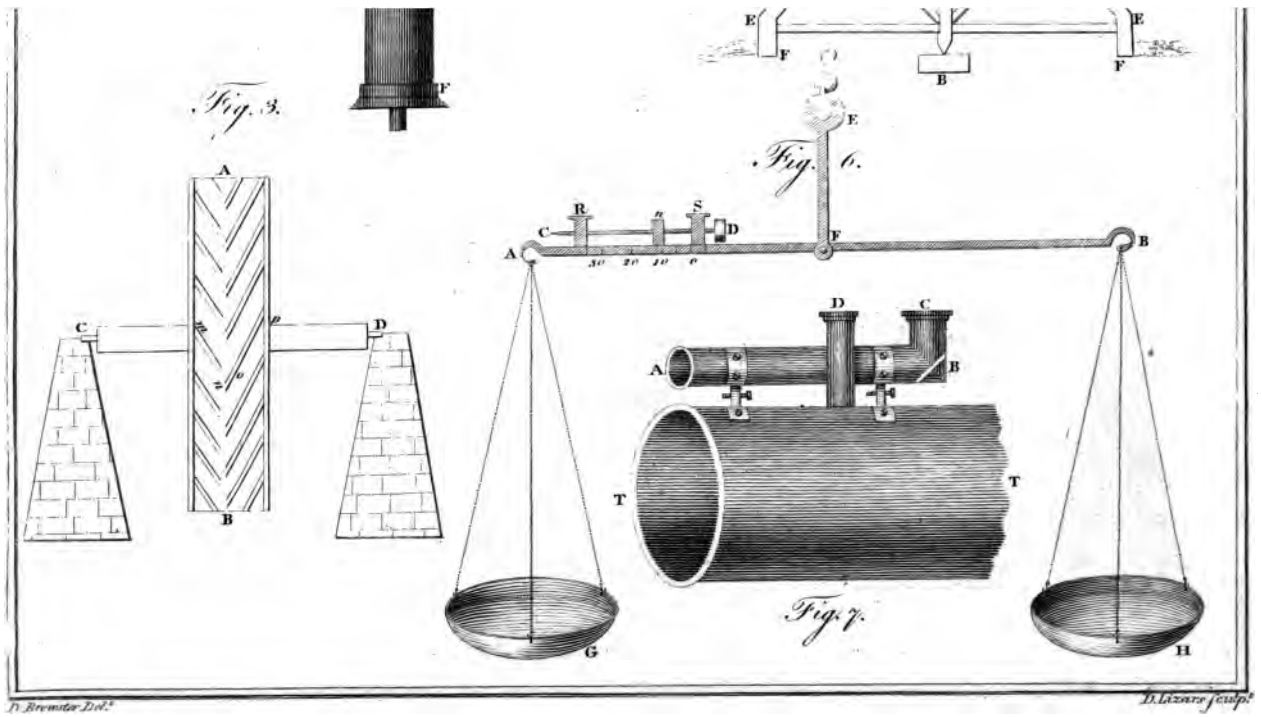


Fig. 3.
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Fig. 6.
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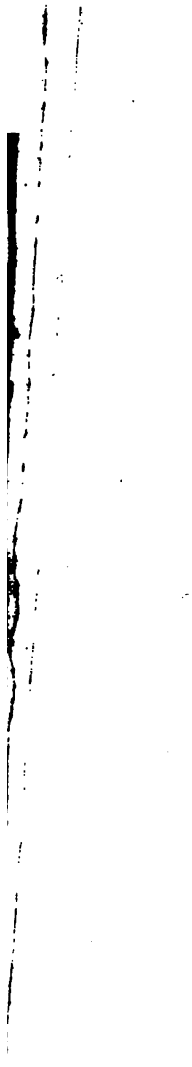

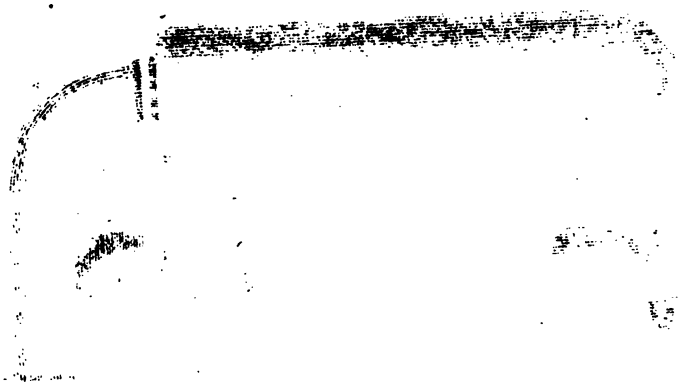

PLATE XIV.

Fig. 6.
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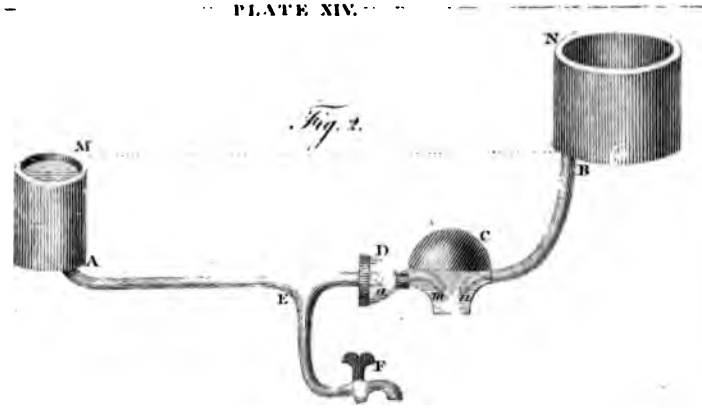
Fig. 2.
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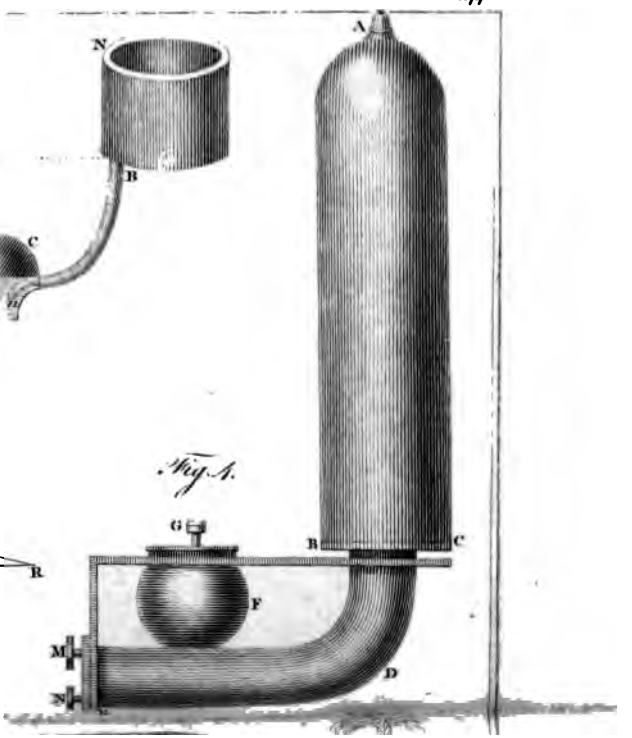
Fig. 4.
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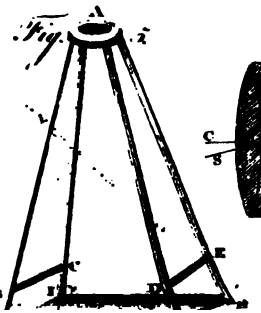
Fig. 5.
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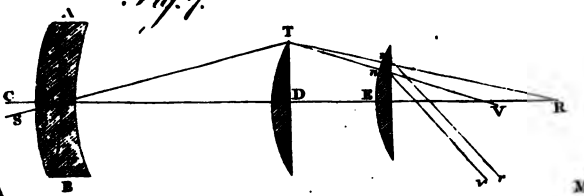
Fig. 7.
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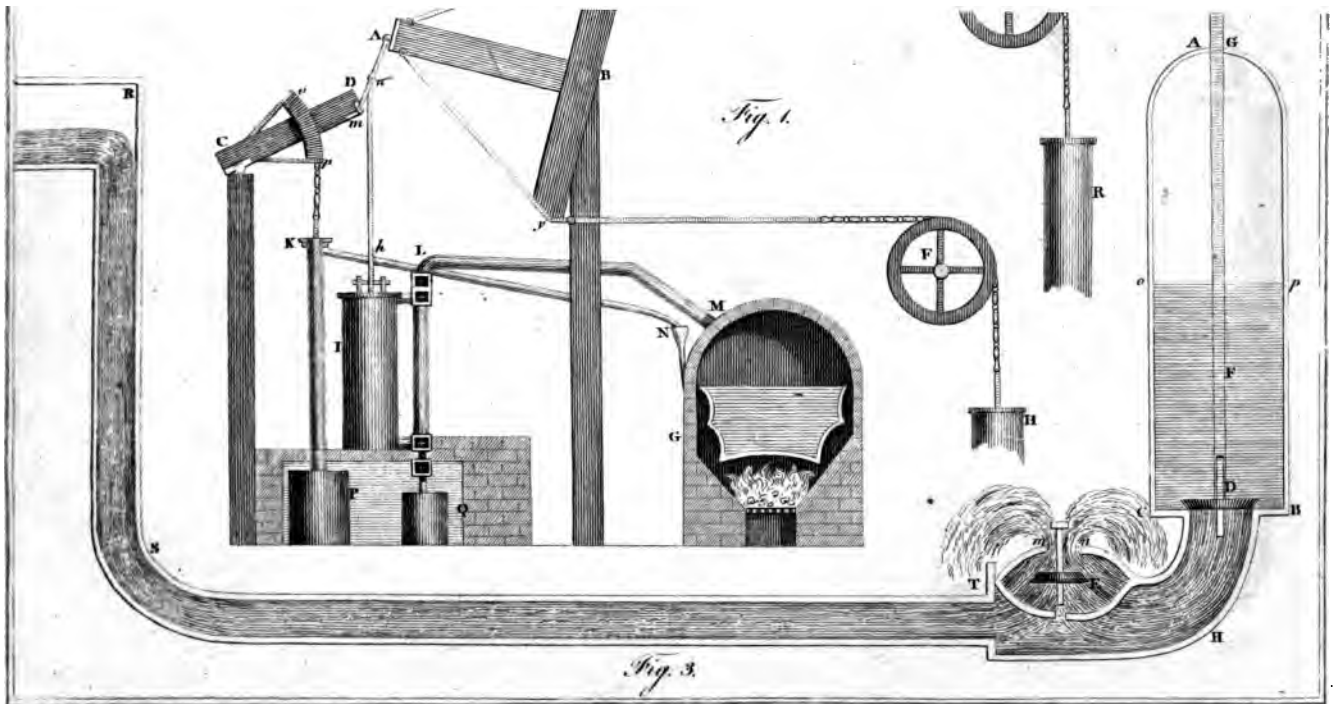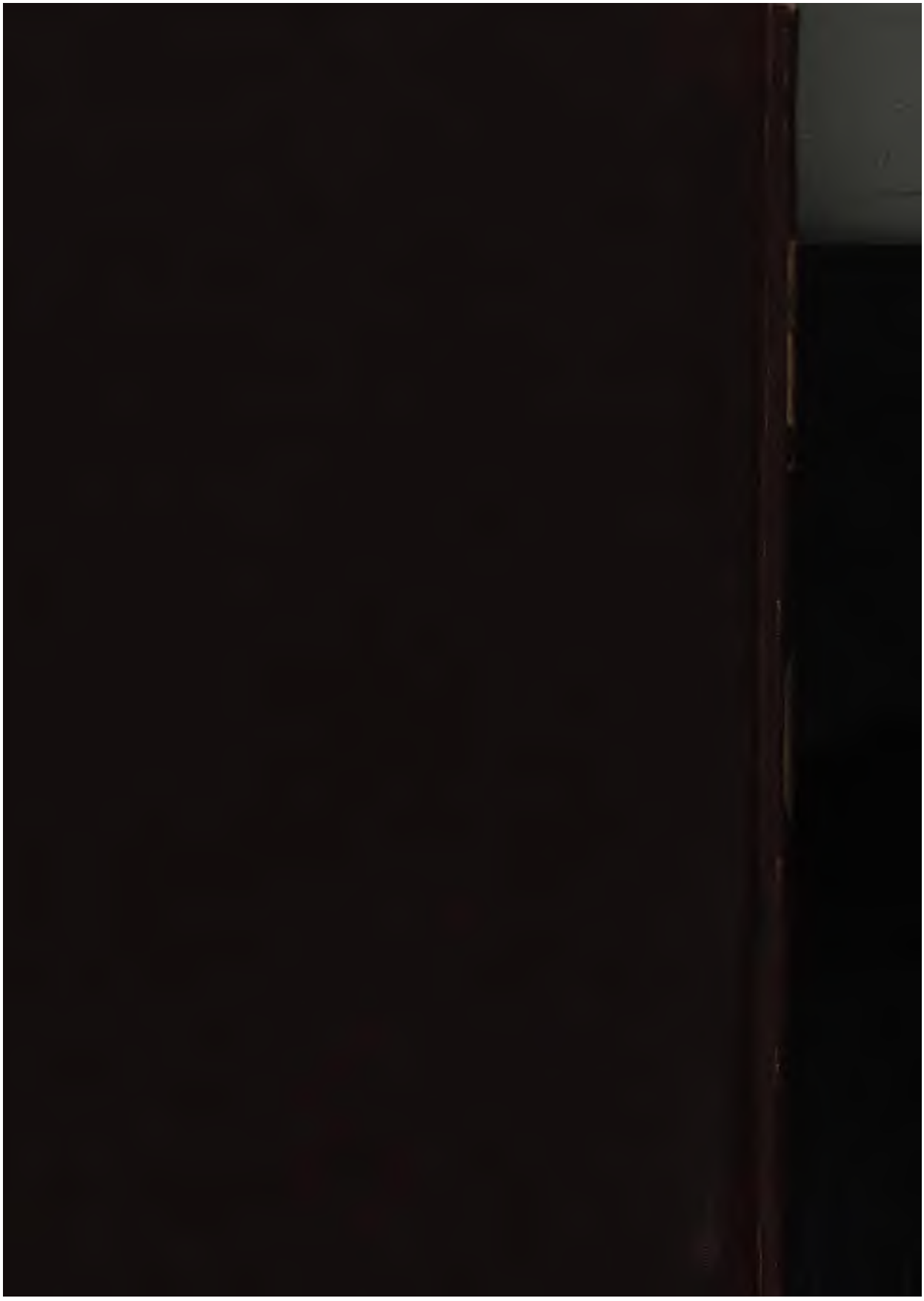
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Fig. 1.
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Fig. 3.